

Serial No.: 09/940,185

Filed: August 27, 2001

VERSION WITH MARKINGS TO SHOW CHANGES MADE

Please insert the following paragraph starting on page 1 line 5:

-- SEQUENCE LISTING

The compact disc containing the Sequence Listing is hereby incorporated by references. The compact disc contains the file named Seq. List for 09_940,185, created on January 22, 2002, and containing 1000 kilobytes.--

IN THE SPECIFICATION:

The section starting on page 5, line 12, has been amended as follows:

--SUMMARY OF THE INVENTION

In accordance with the above objects, the invention also provides a method of detecting a target nucleic acid. The method comprises contacting the target nucleic acid with an adapter sequence such that the target nucleic acid is joined to the adapter sequence to form a modified target nucleic acid. In addition, the method comprises contacting the modified target nucleic acid with an array comprising a substrate with a surface comprising discrete sites and a population of microspheres comprising at least a first subpopulation comprising a first capture probe, such that the first capture probe and the modified target nucleic acid form a complex, wherein the microspheres are distributed on the surface, and detecting the presence of the target nucleic acid. In addition the method comprises adding at least one decoding binding ligand to the array such that the identity of the target nucleic acid is determined. Preferably the adapter nucleic acids include a sequence as set forth in ~~Table Table I, Table II, Table III or Table IV~~ Table 1 (SEQ ID NOS: 17-4000), Table 2 (SEQ ID NOS: 1-40,

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42-54, 56-115, 117-272, 274-295, 297-300, 302-329, 331-332, 334-370, 372-437, 439-454, 456-457, 459-475, 477-503, 505-540, 542-548, 550-598, 600-649, 651-759, 761-847, 849-1147, 1149-1155, 1157-1171, 1173-1203, 1205-1250, 1252-1275, 1277-1284, 1286-1289, 1291-1568, 1570-1996, 1998-2014, 2016-2044, 2046-2139, 2141-2183, 2185-2195, 2197-2215, 2217-2532, 2534-2565, 2567-2569, 2571-2597, 2599-2619, 2621-2639, 2641-2698, 2700-2746, 2748-2772, 2774-2777, 2779-2803, 2805-2832, 2834-2877, 2879-2915, 2917-2969, 2971-3009, 3011-3044, 3046-3078, 3080-3159, and 3161-3232), Table 3 (SEQ ID NOS: 1-16, 18-40, 42-54, 56-113, 117-210, 213-272, 274-295, 297-300, 302-309, 312-329, 331-332, 334-370, 372-408, 411-437, 439-456, 459-475, 477-508, 512-540, 542-548, 550-598, 600-608, 611-649, 651-705, 708-759, and 761-802) or Table 4 (SEQ ID NOS: 4001-4768).

In addition the invention provides a method of making an array. The method comprises forming a surface comprising individual sites on a substrate, distributing microspheres on the surface such that the individual sites contain microspheres, wherein the microspheres comprise at least a first and a second subpopulation each comprising a capture probe, wherein the capture probe is complementary to an adapter sequence, the adapter sequence joined to a target nucleic acid, and an identifier binding ligand that will bind at least one decoder binding ligand such that the identification of the target nucleic acid is elucidated. Preferably the adapter nucleic acids include a sequence as set forth in ~~Table I,~~ Table II, Table III or Table IV Table 1, Table 2, Table 3 or Table 4.

In addition the invention provides a kit comprising at least one nucleic acid selected from the group consisting of the sequences set forth in ~~Table I, Table II, Table III or Table IV~~ Table 1, Table 2, Table 3 or Table 4. In one embodiment the invention provides a kit that includes a nucleic acid that

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includes a sequence as set forth in ~~Table I, Table II, Table III or Table IV~~ Table 1, Table 2, Table 3 or Table 4.

In addition the invention includes an array composition comprising a first population of microspheres comprising first and second subpopulations, wherein the first subpopulation includes a first nucleic acid selected from the sequences set forth in ~~Table I, Table II, Table III or Table IV~~ Table 1, Table 2, Table 3 or Table 4 and the second subpopulation includes a second sequence selected from the sequences set forth in ~~Table I, Table II, Table III or Table IV~~ Table 1, Table 2, Table 3 or Table 4.

In addition the invention includes an array composition comprising a first sequence at a known location on a substrate, wherein the first sequence is selected from the sequences set forth in ~~Table I, Table II, Table III or Table IV~~ Table 1, Table 2, Table 3 or Table 4.

In addition the invention includes a method for making an array. The method includes distributing a population of microspheres on an substrate, wherein the population includes first and second subpopulations, wherein the first subpopulation includes a first sequence selected from the group consisting of the sequences set forth in ~~Table I, Table II, Table III or Table IV~~ Table 1, Table 2, Table 3 or Table 4 and the second subpopulation includes a second sequence selected from the group consisting of the sequences set forth in ~~Table I, Table II, Table III or Table IV~~ Table 1, Table 2, Table 3 or Table 4.

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In addition the method includes a method of immobilizing a target nucleic acid. The method includes hybridizing a first adapter probe with a first target nucleic acid, wherein the first adapter probe comprises a first domain that is complementary to the first target nucleic acid and a second domain, comprising a first sequence selected from the sequences set forth in ~~Table I, Table II, Table III or Table IV~~ Table 1, Table 2, Table 3 or Table 4 to form a first hybridization complex. In addition the method includes contacting the first hybridization complex with a first capture probe immobilized on a first substrate, wherein the first capture probe is substantially complementary to the second domain of the first adapter probe.

In addition the invention includes a method of decoding an array composition comprising providing an array composition that includes a substrate with a surface comprising discrete sites and a population of microspheres comprising at least a first and a second subpopulation, wherein each subpopulation comprises a bioactive agent. The microspheres are distributed on the surface. The method further includes adding a plurality of decoding binding ligands to the array composition to identify the location of at least a plurality of the bioactive agents wherein at least a first decoder binding ligand comprises a sequence selected from the group consisting of the sequences of ~~Table I, Table II, Table III or Table IV~~ Table 1, Table 2, Table 3 or Table 4.

A method of detecting a target nucleic acid sequence, said method comprising attaching a first adapter nucleic acid to a first target nucleic acid sequence to form a modified first target nucleic acid sequence, wherein the first adapter nucleic acid includes a sequence selected from the sequences set forth in ~~Table I, Table II, Table III or Table IV~~ Table 1, Table 2, Table 3 or Table 4. The method further includes contacting the modified first target nucleic acid sequence with an array

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comprising a substrate with a patterned surface comprising discrete sites and a population of microspheres comprising at least a first subpopulation comprising a first capture probe, such that the first capture probe and the modified first target nucleic acid sequence form a hybridization complex; wherein the microspheres are distributed on the surface and detecting the presence of the modified first target nucleic acid sequence.--

The paragraph starting on page 13, line 30, has been amended as follows::

—Accordingly, by “adapter sequences” or “adapters” or grammatical equivalents is meant a nucleic acid segment generally non-native or exogenous to a target molecule that is used to immobilize the target molecule to a solid support via binding to a capture probe sequence. In a preferred embodiment the adapter sequences and capture probes are selected from the sequences set forth in ~~Table I, Table II, Table III or Table IV~~ Table 1, Table 2, Table 3 or Table 4.—

The paragraph starting on page 13, line 36, has been amended as follows:

—~~Table I~~ Table 1 (SEQ ID NOS: 17-4000) includes the sequence of the preferred ~~4000~~ 3983 sequences labeled “Decoder (5'-3')”, and inherent in this table are the complementary sequences as well. In addition, the invention includes oligonucleotides that are complementary to those depicted in Table 1.—

The paragraph starting on page 14, line 1, has been amended as follows:

—~~Table II~~ Table 2 (SEQ ID NOS: 1-40, 42-54, 56-115, 117-272, 274-295, 297-300, 302-329, 331-332, 334-370, 372-437, 439-454, 456-457, 459-475, 477-503, 505-540, 542-548, 550-598, 600-649, 651-759, 761-847, 849-1147, 1149-1155, 1157-1171, 1173-1203, 1205-1250, 1252-1275, 1277-1284, 1286-1289, 1291-1568, 1570-1996, 1998-2014, 2016-2044, 2046-2139, 2141-2183, 2185-2195, 2197-2215, 2217-2532, 2534-2565, 2567-2569, 2571-2597, 2599-2619, 2621-2639, 2641-2698, 2700-

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2746, 2748-2772, 2774-2777, 2779-2803, 2805-2832, 2834-2877, 2879-2915, 2917-2969, 2971-3009,

3011-3044, 3046-3078, 3080-3159, and 3161-3232) includes the sequence of the preferred

adapter/capture probe sequences and their complementary sequence. Table 2 depicts a preferred

subset of ~~3472~~ 3176 decoder oligonucleotides and their complementary probe oligonucleotides.

Accordingly, the invention provides compositions comprising a sequence as outlined in Table 2. In

addition, the invention provides a composition comprising a complementary binding pair as outlined in

Table 2.--

The paragraph starting on page 14, line 6, has been amended as follows:

--Table 3 (SEQ ID NOS: 1-16, 18-40, 42-54, 56-113, 117-210, 213-272, 274-295, 297-300, 302-309,

312-329, 331-332, 334-370, 372-408, 411-437, 439-456, 459-475, 477-508, 512-540, 542-548, 550-

598, 600-608, 611-649, 651-705, 708-759, and 761-802) includes a preferred subset of ~~768~~ 767

decoder oligonucleotides and complementary probe sequences. In some embodiments it may be

desirable to include a uniform base at a terminus of the oligonucleotide, such as a T at the 5' end as

depicted in Table 4. The inclusion of this uniform or constant base facilitates uniform labeling of the

oligonucleotides.--

The paragraph starting on page 14, line 21, has been amended as follows:

--As will be appreciated by those in the art, it is desirable to have adapter sequences that do not have

significant homology to naturally occurring target sequences, to avoid non-specific or erroneous

binding of target sequences to the capture probes. Accordingly, preferred embodiments utilize some

method to select useful adapter sequences. In a preferred embodiment the method is outlined in

Figure 1. Briefly, random 24-mer (or could be any desired length as outlined herein), sequences were

assembled and subjected to certain defined screening procedures including such steps as requiring

that the T_m of each of the sequence be within a pre-defined range. In addition the GC content must

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be balanced with the AT content and the self-complementarity must be minimized. In addition GC runs should be minimized, that is, runs of Gs or Cs should be reduced. In addition, decoder (adapter) to decoder (adapter) complementarity should be reduced so that the adapters do not hybridize with each other. Finally, the sequences are screened against a specified genomic database. In a preferred embodiment the adapters comprise at least one sequence selected from the sequences in ~~Table I, Table II, Table III or Table IV~~ Table 1, Table 2, Table 3 or Table 4.--

The paragraph starting on page 17, line 6, has been amended as follows:

--The adapter sequences may be chosen as outlined above. Preferably the adapters are selected from the sequences set forth in ~~Table I, Table II, Table III or Table IV~~ Table 1, Table 2, Table 3 or Table 4. These adapter sequences can then be added to the target analytes using a variety of techniques. In general, as described above, non-covalent attachment using binding partner pairs may be done, or covalent attachment using chemical moieties (including linkers).--

Table 2 starting on page 139 has been amended as follows:

TABLE 2

Seq. ID No.	Decoder Sequence (5'-3')	Probe Sequence (5'-3')
1	TTCGCCGTCGTGTAGGCTTTTCAA	TTGAAAAGCCTACACGACGGCGAA
2	TTCGAAGCGCACGTCCCTTTTCAA	TTGAAAAGGGACGTGCGCTTCGAA
3	AACGCGTGGGGAATGGGACATCAA	TTGATGTCCCATTCCCCACGCGTT
4	CCGTCGCATACCGGCTACGATCAA	TTGATCGTAGCCGGTATGCGACGG
5	ATGGCCGTGCTGGGGACAAGTCAA	TTGACTTGTCCCCAGCACGGCCAT
6	TTGCAACGGGCTGGTCAACGTCAA	TTGACGTTGACCAGCCCGTTGCAA
7	CGCATAGGTTGCCGATTCGTCAA	TTGACGAAATCGGCAACCTATGCG
8	CCGTTTGCGGTCTGCTTGTCTCAA	TTGAGCAAGGACGACCGCAAACGG
9	TTCGCTTTCGTGGCTGCACTTCAA	TTGAAGTGCAGCCACGAAAGCGAA
10	GTCCAACGCGCAACTCCGATTCAA	TTGAATCGGAGTTGCGCGTTGGAC
11	TTGCCGCACCGTCCGTCTCTCAA	TTGAGATGACGGACGGTGCGGCAA
12	CATCGTCCCTTTCGATGGGATCAA	TTGATCCCATCGAAAGGGACGATG
13	GCACGGGAGCTGACGACGTGTCAA	TTGACACGTCGTGAGCTCCCGTGC
14	AGACGCACCGCAACAGGCTGTCAA	TTGACAGCCTGTTGCGGTGCGTCT
15	CGTGTAGGGGTCCCGTGCTGTCAA	TTGACAGCACGGGACCCCTACACG
16	CATCGCTGCAAGTACCGCACTCAA	TTGAGTGCGGTACTTGACGCGATG
17	GGCTGGTTTCGGCCCGAAAGCTTAG	CTAAGCTTTCGGGGCCGAACCAGCC
18	GTTCCCAGTGAAGCTGCGATCTGG	CCAGATCGCAGCTTCACTGGGAAC
19	TACTTGGCATGGAATCCCTTACGC	GCGTAAGGGATTCCATGCCAAGTA
20	ACTAGCATATTTCAAGGGCACCGGC	GCCGGTGCCCTGAAATATGCTAGT
21	GAACGGTCAATGAACCCGCTGTGA	TCACAGCGGGTTTCATTGACCGTTC
22	GCGGCCTTGGTTCAATATGAATCG	CGATTCATATTGAACCAAGGCCGC
23	GATCGTTAGAGGGACCTTGCCCGA	TCGGGCAAGGTCCCTCTAACGATC
24	TGGACCTAGTCCGGCAGTGACGAA	TTCGTCACTGCCGGACTAGGTCCA
25	ATAAACTACCCAGGACGGGCGGAA	TTCCGCCCGTCCTGGGTAGTTTAT
26	CATCGGTTTCGCGCCAATCCAGATA	TATCTGGATTGGCGCGAACCGATG
27	GTCGGGCATAGAGCCGACCACCCT	AGGGTGGTTCGGCTCTATGCCCGAC
28	CTTGGGTCATGATTCACCGTGCTA	TAGCACGGTGAATCATGACCCAAG
29	TGCCTAACGTGCTAATCAGCAGCG	CGCTGCTGATTAGCACGTTAGGCA
30	CGCATGTTGGAGCATATGCCCTGA	TCAGGGCATATGCTCCAACATGCG
31	AGCCACTGCATCAGTGCTGTTCAA	TTGAACAGCACTGATGCAGTGGCT
32	GGTTGTTTTGAGGCGTCCCACACT	AGTGTGGGACGCCTCAAACAACC
33	TCGACCAAGAGCAAGGGCGGACCA	TGGTCCGCCCTTGCTCTTGGTCGA
34	GACATCGCTATTGCGCATGGATCA	TGATCCATGCGCAATAGCGATGTC
35	GAAATACGAAGTCTGCGGGAGTCG	CGACTCCCGCAGACTTCGTATTTT
36	TGTCATGAATGATTGATCGCGCGA	TCGCGCGATCAATCATTATGACA
37	ATATCGGGATTCTGTTCCCGGTGAA	TTCACCGGGAACGAATCCCGATAT

38	GCGAGCGTACCGAAGGGCCTAGAA	TTCTAGGCCCTTCGGTACGCTCGC
39	TTACCGGCAGCGGACTTCCGAATT	AATTCGGAAGTCCGCTGCCGGTAA
40	GTAATCGAGAGCTGCGCGCCGTCT	AGACGGCGCGCAGCTCTCGATTAC
41 42	CCTGTTAGCGTAGGCGAGTCGATC	GATCGACTCGCCTACGCTAACAGG
42 43	TAGCGGACCGGCAGAATGAGTTCC	GGAATCATTCTGCCGGTCCGCTA
43 44	GGTACATGCACTACGCGCACTCGG	CCGAGTGCGCGTAGTGCATGTACC
44 45	AATTCATCTCGGACTCCCGCGGTA	TACCGCGGGAGTCCGAGATGAATT
45 46	GCCAAATCTGGATTGGCAGGAATG	CATTCCTGCCAATCCAGATTTGGC
46 47	TGCATTTTCGGTTGAGGCACATCC	GGATGTGCCTCAACCGAAAATGCA
47 48	CCGCTCAATTCACCATGCTTCGCT	AGCGAAGCATGGTGAATTGAGCGG
48 49	CTCGGAAAGGTGCAACTTTGGTGT	ACACCAAAGTTGCACCTTTCCGAG
49 50	AATTCGACCAGCAGAACGTCCCAT	ATGGGACGTTCTGCTGGTCAATT
50 51	GCCAGAGTCTCAACCTCACGGGAT	ATCCCGTGAGGTTGAGACTCTGGC
51 52	CCAACAACCTGGAACGGGAACCCGC	GCGGGTTCCCGTTCCAGTTGTTGG
52 53	GAGAACTGATCGCTGAGGGGCATG	CATGCCCCTCAGCGATCAGTTCTC
53 54	GGCACACTAGACTTGTGGCACCGA	TCGGTGCCACAAGTCTAGTGTGCC
54 55	TCACATCCAAATATGGTCCGCGAA	TTCGCGGACCATATTTGGATGTGA
55 56	GTCTGCCGGTGTGACCGCTTCATT	AATGAAGCGGTCACACCGGCAGAC
56 57	CATCGCAGAGCATAAACACCCTCA	TGAGGGTGTTTATGCTCTGCGATG
57 58	GTTGGTATCTATGGCAGAGGCGGA	TCCGCCTCTGCCATAGATACCAAC
58 59	ACGAGGTGCCGCTGAGGTTCCATT	AATGGAACCTCAGCGGCACCTCGT
59 60	GGAATGAGTGACCCAGGCACATT	AATGTGCCTGGGTCCACTCATTCC
60 61	TGTCAATATGCGTCCGTGTCGTCT	AGACGACACGGACGCATATTGACA
61 62	TGATGAGCCTCAGGGTACGAGGCA	TGCCTCGTACCTGAGGCTCATCA
62 63	CACCGCGGTGTTCTACAGAATGA	TCATTCTGTAGGAACACCGCGGTG
63 64	TTGTTGCCAATGGTGTCCGCTCGG	CCGAGCGGACACCATTGGCAACAA
64 65	TTAACCTGCGTCTGCCCTTTCTCT	AGGAAAGGGGCAGACGCAGGTTAA
65 66	AGGCGCGTTCCTGCCTTAGTGACG	CGTCACTAAGGCAGGAACGCGCCT
66 67	TAGGGCGATGGCACGAAGCTTCAA	TTGAAGCTTCGTGCCATCGCCCTA
67 68	TGCATAGAGCCAAAGTCGGCGATG	CATCGCCGACTTTGGCTCTATGCA
68 69	TTGAGAGGCAGGTGGCCACACGGA	TCCGTGTGGCCACCTGCCTCTCAA
69 70	TCCGCATTGTGAGAAAAACGAGC	GCTCGTTTTTTCTCACAATGCGGA
70 71	GGCGGTTTCCGTAGCTATAGGTGC	GCACCTATAGCTACGGAAACCGCC
71 72	GGTGAAAATTCGTAGCCACGGGC	GCCCGTGGCTACGAAATTTTCACC
72 73	CCGACGGAGGATGAAGACAATCAC	GTGATTGTCTTCATCCTCCGTGCG
73 74	CCAGTTTGGCCCAATTCGCCAAAA	TTTTGGCGAATTGGGCCAAACTGG
74 75	GGATCTATTAGGCCGTGCGCACAG	CTGTGCGCACGGCCTAATAGATCC
75 76	CGGATGTCACCGTTTGGACTTTCA	TGAAAGTCCAAACGGTGACATCCG
76 77	ATCGCAAATCCTGCTCGTCCCTAA	TTAGGGACGAGCAGGATTTGCGAT
77 78	CAGGGCATGCAATAATCGAGTTTC	GAACCTCGATTATTGCATGCCCTG
78 79	CATGCGTTGATATATGGGCCCAAG	CTTGGGCCCATATATCAACGCATG

79 81	CAGCTGCAGCTTGTGACCAACCAC	GTGGTTGGTCACAAGCTGCAGCTG
80 82	TTGTATGTCTGCCGACCGGCGACC	GGTCGCCGGTCGGCAGACATACAA
81 83	GATGGCGCCCGTTGATAGGTATGG	CCATACCTATCAACGGGCGCCATC
82 84	ATGAGAATCGCCGGCAATCTGCTA	TAGCAGATTGCCGGCGATTCTCAT
83 85	ATTTGCACTGACCGCAGGCTCGTG	CACGAGCCTGCGGTGAGTGCAAAT
84 86	CAGGGAGAACGGTTAAGTTCCCGT	ACGGGAACCTTAACCGTTCTCCCTG
85 87	AGGCCGGCGATCGAGGAGTTTGGT	ACCAAACCTCCTCGATCGCCGGCCT
86 88	ACACGGTGGTCTCTGATAGCGACC	GGTCGCTATCAGAGACCACCGTGT
87 89	GTGCAACGCCGAGGACTTCCATCA	TGATGGAAGTCCTCGGCGTTGCAC
88 90	TCGGTGCCTGATAGCCATTCCGAT	ATCGGAATGGCTATCAGGCACCGA
89 91	TGAAATACCACACAGCCAATTGGC	GCCAATTGGCTGTGTGGTATTTC
90 92	GCATCGTGTACATGACTGCCGCGA	TCGCGGCAGTCATGTACACGATGC
91 93	CAGTGTCTAACGGCGCGCGTGAA	TTCACGCGCGCCGTTAGAACACTG
92 94	CGCTTGCAACGTTGCACCTACTCT	AGAGTAGGTGCAACGTTGCAAGCG
93 95	CGAAAACTAGTGGGCTCGCCGCG	CGCGGCGAGCCCACTAGTTTTTCG
94 96	CTTTCAGGGGAACTGCCGGAGTCG	CGACTCCGGCAGTTCCCCTGAAAG
95 97	TTGTGGCCTTCTTGTAAGGCACG	CGTGCCTTTACAAGAAGGCCACAA
96 98	TCCACGAACGGCGACCCGTTGTCT	AGACAACGGGTCGCCGTTCTGTGA
97 99	CGACCTTGACGAAACCTAACGAG	CTCGTTAGGTTTCGTGCAAGGTCG
98 100	GTGCAGCTTCACGAGCCAGCCTGA	TCAGGCTGGCTCGTGAAGCTGCAC
99 101	CGCTTTCGTGCGAATAGACGATGA	TCATCGTCTATTGCGACGAAAGCG
100 102	TGCGCTTACAGGCTCCTAGTGGTC	GACCACTAGGAGCCTGTAAGCGCA
101 103	CACGCGCTTAGTCGCGATCGCATA	TATGCGATCGCGACTAAGCGCGTG
102 104	CGGAGGGAGGGAGCTAGCCTTCGA	TCGAAGGCTAGCTCCCTCCCTCCG
103 105	GCATCCGGCCTGTTGATGACGCCT	AGGCGTCATCAACAGGCCGGATGC
104 106	AGGCCAATCGATCTTATTGCCGAG	CTCGGCAATAAGATCGATTGGCCT
105 107	CCTTCCAATGATTGCATACGCCCA	TGGGCGTATGCAATCATTGGAAGG
106 108	AACACTTGATCAGGCGGGTCGTCT	AGACGACCCGCCTGATCAAGTGTT
107 109	TGGAATCAAGGCCGTAAAGGACAG	CTGTCCTTTACGGCCTTGATTCCA
108 110	GCTCCCGTAACCTGTCCACCAAGTG	CACTGGTGGACAGGTTACGGGAGC
109 111	AGTGGTGAATGGCCGCTACCCTGA	TCAGGGTAGCGGCCATTACCACT
110 112	TGTTGAAGCGAGCTAAAACGGCCA	TGGCCGTTTTAGCTCGCTTCAACA
111 113	CAGCGCTCCAGAATTGACAGCAAT	ATTGCTGTCAATTCTGGAGCGCTG
112 114	AAGGTGGTGCCATTCATTTGGCTA	TAGCCAAATGAATGGCACCACCTT
113 115	CGTTAAACCGCAATCCGTTCCGGCT	AGCCGAACGGATTGCGGTTTAAACG
114 117	CACGAGATACCGGCGTAAGGGTGG	CCACCCTTACGCCGGTATCTCGTG
115 118	CTACGGCAAACGTGTGGAATGGGT	ACCCATTCCACACGTTTGCCGTAG
116 119	GTAGGGCGATGACGGGCGAACTAC	GTAGTTCGCCCGTCATCGCCCTAC
117 120	AATCGACCTCCGCACACATTTCGCA	TGCGAATGTGTGCGGAGGTCGATT
118 121	GAGTCAGCATGGCGGCGGAGATTC	GAATCTCCGCCGCCATGCTGACTC
119 122	AGATAAAGACGCTGGCAACACGGG	CCCGTGTTGCCAGCGTCTTTATCT

420/123	GGTACCTCAACGCGAACCACCTTGT	ACAAGTGGTTCGCGTTGAGGTACC
421/124	AAGCGATGGCTACCCAAGAGCGAT	ATCGCTCTTGGGTAGCCATCGCTT
422/125	AGAGCTTATGCAGAACCAGGCGCC	GGCGCCTGGTTCTGCATAAGCTCT
423/126	ATCGGTCTCACGCAGGGTTGGATA	TATCCAACCCTGCGTGAGACCGAT
424/127	TAGGTTGCCCCGCCAGAAGAAACAT	ATGTTTCTTCTGGCGGGCAACCTA
425/128	CGGTGCTGTTGCAAAAGCCTGTAG	CTACAGGCTTTTGCAACAGCACCG
426/129	TGATGAAAGTTTGCGGCAGGACAC	GTGTCCTGCCGCAAACCTTTCATCA
427/130	GTTGAGTGCAGGATGCAGCGATAG	CTATCGCTGCATCCTGCACTCAAC
428/131	AACATTGCGCGGTCCACCAGGGTT	AACCCTGGTGGACCGCGCAATGTT
429/132	GGGCAGTTAGAGAGGGCCAGAAGT	ACTTCTGGCCCTCTCTAACTGCC
430/133	TCGAGCTGGTCCCCGTGAACGTGT	ACACGTTACGGGGACCAGCTCGA
431/134	GTCTTGGGGGCCGCTTAGTGAAAA	TTTTCACTAAGCGGCCCCCAAGAC
432/135	ACTGTTGGCTTGCTCTCATGTCCA	TGGACATGAGAGCAAGCCAACAGT
433/136	AGGACCATTGGAAGGCGAAGATA	TATCTTCGCCTTCCGAATGGTCCT
434/137	CTTGGGAGGCATCCGCTATAAGGA	TCCTTATAGCGGATGCCTCCCAAG
435/138	AATAAACGGAACGCACCGCTACAG	CTGTAGCGGTGCGTTCCGTTTATT
436/139	TTGTACGTGCGGTCCCCATAAGCA	TGCTTATGGGGACCGCACGTACAA
437/140	CGCACCAAAGTGTGTTTCCAGAC	GTCTGGGAAACTCAGTTTGGTGCG
438/141	ACCTGATCGTTCCCTATTGGGAA	TTCCCAATAGGGGAACGATCAGGT
439/142	GGAACAGAGGCGAGGGGACTGAGC	GCTCAGTCCCCTCGCCTCTGTTCC
440/143	CCCTGCCTTGCGGTGTCGGCTTAT	ATAAGCCGACACGCCAAGGCAGGG
441/144	ACTCTGACACGCCAACTCCGGAAG	CTTCCGGAGTTGGCGTGTCAGAGT
442/145	CTGACGGTTTTTCATTGCGGTGCC	GGCACGCCGAATGAAAACCGTCAG
443/146	TGCGGTGGTTCATTGGAGCTGGCC	GGCCAGCTCCAATGAACCACCGCA
444/147	GCATGGCCAACTAGTGACTCGCAA	TTGCGAGTCACTAGTTGGCCATGC
445/148	AGGCCGTAAAGCGAATCTCACCTG	CAGGTGAGATTGCTTTACGGCCT
446/149	CGAATATTATGCCGAGAATCCGCG	CGCGGATTCTCGGCATAATATTG
447/150	ACAGACGAGCTCCCAACCACATGA	TCATGTGGTTGGGAGCTCGTCTGT
448/151	GGACGGTTTTGTGCTGGATTGTCTG	CAGACAATCCAGCACAAACCGTCC
449/152	AAAGGCTATTGAGTTGGTTGGGCG	CGCCCAACCAACTCAATAGCCTTT
450/153	GATGGCCTATTTCGGAGATCGGGCC	GGCCCGATCTCCGAATAGGCCATC
451/154	GATCCAGTAGGCAGCTTCATCCCA	TGGGATGAAGCTGCCTACTGGATC
452/155	AATAACTCGCGCGGGTATGCTTCT	AGAAGCATACCCGCGCGAGTTATT
453/156	GGAGGAGGTTTGTCTCGGAAAGCA	TGCTTTCCGAGACAAACCTCCTCC
454/157	CTTTGGTATGGCACATGCTGCCCCG	CGGGCAGCATGTGCCATACCAAAG
455/158	AGAAAGGCTCGAGCAACGGGAACT	AGTTCCCGTTGCTCGAGCCTTTCT
456/159	AATCTACCGCACTGGTCCGCAAGT	ACTTGCGGACCAGTGCGGTAGATT
457/160	CGTGGCGGCCACAGTTTTTGGAGG	CCTCCAAAACTGTGGCCGCCACG
458/161	TTGCAGTTCAATCCATACGCACGT	ACGTGCGTATGGATTGAACTGCAA
459/162	GGCCCAAAGCCCCAGACCATTTTA	TAAATGGTCTGGGGCTTTGGGCC
460/163	CGCCTGTCTTTGTCTCCGGACAAT	ATTGTCCGGAGACAAAGACAGGCG

161/164	TGAGGCAACAGGGGCCAAAACTA	TAGTTTTTGGCCCCTGTTGCCTCA
162/165	AGCGGAAGTAGTCCTCGGCTCGTC	GACGAGCCGAGGACTACTTCCGCT
163/166	GGCCCCAAGGCTTAGAGATAGTGG	CCACTATCTCTAAGCCTTGGGGCC
164/167	GCACGTGAAGTTTAACCGCGATTTC	GAATCGCGGTTAAACTTCACGTGC
165/168	AGCGGCAGAAACGTTCTTGACGG	CCGTCAAGGAACGTTTCTGCCGCT
166/169	TCGTGAGCAGACGAGATTGCACG	CGTGCAATCTCGTCTGCTCGACGA
167/170	TCTTTGCCGCGTAACCTGACTGCTT	AAGCAGTCAGTTACGCGGCAAAGA
168/171	TTTATGTGCCAAGGGGTTAACCGA	TCGGTTAACCCTTGGCACATAAA
169/172	TGTTACTGTGGTTCACGGCAGTCC	GGACTGCCGTGAACCACAGTAACA
170/173	CGCGCCTCGCTAGACCTTTTATTG	CAATAAAAGGTCTAGCGAGGCGCG
171/174	ACAAATGCGTGAGAGCTCCCAACT	AGTTGGGAGCTCTCACGCATTTGT
172/175	CGCGCAGATTATAGACCCGAATGT	ACATTCGGGTCTATAATCTGCGCG
173/176	CAAATAACGCCGCTGAATCGGCGT	ACGCCGATTACGCGGCGTTATTG
174/177	CCTTCGTGCATCGGTGATGATGTT	AACATCATCACCGATGCACGAAGG
175/178	TGAACACGAGCAACACTCCAACGC	GCGTTGGAGTGTTGCTCGTGTTCA
176/179	CAGCAGATCCTTCGTAGCGGTCGT	ACGACCGCTACGAAGGATCTGCTG
177/180	GGAACCTGGTGAGTTGTGCCTCAT	ATGAGGCACAACCTACCAGGTTCC
178/181	TCATAAGCGACAATCGCGGGCTTA	TAAGCCCGCGATTGTCGCTTATGA
179/182	CCCAACGTCACTGAAGCTCACAGT	ACTGTGAGCTTCAGTGACGTTGGG
180/183	TGTCAGAGCCCGCGACTCAGACGG	CCGTCTGAGTCGCGGGGCTCTGACA
181/184	TACACGAAGCCTCTCCGTGGTCCA	TGGACCACGGAGAGGCTTCGTGTA
182/185	CTCAGAAGTCCTCGGCGAACTGGG	CCCAGTTCGCCGAGGACTTCTGAG
183/186	ATCCTTTTATCTACTCCGCGGCGA	TCGCCGCGGAGTAGATAAAAGGAT
184/187	AGGCGTGACAGCAACAGGATAAACC	GGTTTATCCTGTTGCTGCACGCCT
185/188	ACTCTCGAGGGAGTCTCTGGCACA	TGTGCCAGAGACTCCCTCGAGAGT
186/189	TTGCCAGGTCCATCGAGACCTGTT	AACAGGTCTCGATGGACCTGGCAA
187/190	TCCACTATAACTGCGGGTCCGTGT	ACACGGACCCGCGAGTTATAGTGGA
188/191	GCCCAGTCGGCTCTAACAAGTTCCG	CGAACTTGTTAGAGCCGACTGGGC
189/192	CGGAACGGATAATCGGCGTCAGGT	ACCTGACGCCGATTATCCGTTCCG
190/193	TAAAATAAGCGCCTGGCGGGAGGA	TCCTCCCGCCAGGCGCTTATTTTA
191/194	GCGCACTCGTGAAACCTTTCTCGC	GCGAGAAAGGTTTCACGAGTGCGC
192/195	AGTTTGCCAGGTACTGGCAAGTGC	GCACTTGCCAGTACCTGGCAAACCT
193/196	ACAACGAGGGATGTCCAGCGGCAT	ATGCCGCTGGACATCCCTCGTTGT
194/197	TTCGCAGCACCCGCTAGGTACAGT	ACTGTACCTAGCGGGTGCTGCGAA
195/198	TAACCCGATTTTTGCGACTCTGCC	GGCAGAGTCGCAAAAATCGGGTTA
196/199	CGTCGCATTGCAAGCGTAGGCTTG	CAAGCCTACGCTTGCAATGCGACG
197/200	GAGCTGACGTACCATCAGAGGAA	TTCTCTGATGGTGACGTCAGCTC
198/201	GGAGGCTGGGGGTCGCGCTTAAGT	ACTTAAGCGCGACCCCCAGCCTCC
199/202	TTGTGGGAACCGCACTAGCTGGCT	AGCCAGCTAGTGCGGTTCCACAA
200/203	CCCTCGCACTGTGTTCAACCCTCTT	AAGAGGGTGAACACAGTGCGAGGG
201/204	TCATTGACTCGAATCCGCACAACG	CGTTGTGCGGATTGAGTCAATGA

202	205	ACAGGGGTTGGCCTTCGTACGTAC	GTACGTACGAAGGCCAACCCCTGT
203	206	AGGCCGTGCAACATCACACAGGAT	ATCCTGTGTGATGTTGCACGGCCT
204	207	GGGCCGTGGTCACGTAATATTGGC	GCCAATATTACGTGACCACGGCCC
205	208	GCGCGGACATGAAACGACAAGGCC	GGCCTTGTCGTTTCATGTCCGCGC
206	209	CTTATTGGGTGCCGGTGTCTGGATT	AATCCGACACCGGCACCCAATAAG
207	210	GGGGCGGTTACCAAAAAATCCGAT	ATCGGATTTTTTGGTAACCGCCCC
208	211	GCTAAAGCGTGCTCCGTAAGTACC	GGCAGTTACGGAGCACGCTTTAGC
209	212	ATCTCATGCATCTCGGTTCTGTCGT	ACGACGAACCGAGATGCATGAGAT
210	213	ACGAAAAAAGTGTGCGGATCCCT	AGGGGATCCGCACACTTTTTTCGT
211	214	CCAAGTACACCGCACGCATGTTTA	TAAACATGCGTGCGGTGTACTTGG
212	215	ATCGTGCGTGAGTGTCTGCATCTA	TAGATGCGACACTCCACGCACGAT
213	216	TCCAGATACCGCCCCGAACCTTGA	TCAAAGTTCGGGGCGGTATCTGGA
214	217	TCTGCTGGCAGCACGTGAAGTGGC	GCCACTTCACGTGCTGCCAGCAGA
215	218	TTGAAATTGCTCTGCCGTCAGTCA	TGACTGACGGCAGAGCAATTTCAA
216	219	AGTCAGGCGAGATGTTTCAGGCAGC	GCTGCCTGAACATCTCGCCTGACT
217	220	ACAAGCCGACGTTAAGCCCGCCCA	TGGGCGGGCTTAACGTCCGGCTTGT
218	221	CCCTAATGAGGCCAGTAACCTGCA	TGCAGGTTACTGGCCTCATTAGGG
219	222	GTGAGACACACATCCCCTCCAATG	CATTGGAGGGGATGTGTGTCTCAC
220	223	CGACGGATGCAGAGTTCAGTGGTC	GACCACTGAACTCTGCATCCGTCCG
221	224	CCCGCATGCCTGGCGGTATTACAA	TTGTAATACCGCCAGGCATGCGGG
222	225	TTAGCAAAGCGGCGCCGTTAGCAA	TTGCTAACGGCGCCGCTTTGCTAA
223	226	CCCGACACGGGTCAGCGTAATAAT	ATTATTACGCTGACCCGTGTCTGGG
224	227	GCGACGGCCCTGAGGTATGTCGTC	GACGACATACCTCAGGGCCGTCCG
225	228	CAAAAGTGTGTTCCCTTGCGCTTG	CAAGCGCAAGGGAACACACTTTTG
226	229	TCTCGAAGCACAGCCCGGTTATTG	CAATAACCGGGCTGTGCTTCGAGA
227	230	ATGCTAACCGTTGGCCATGGAAC	AGTTCCATGGCCAACGGTTAGCAT
228	231	CTTGCGGAGTGTTAGCCAGCGGT	ACCGCTGGGCTAACACTCCGCAAG
229	232	TGCTCCCTAGGCGCTCGGAGGAGT	ACTCCTCCGAGCGCCTAGGGAGCA
230	233	CCAATGCCTTTGAGTAAGCGATGG	CCATCGCTTACTCAAAGGCATTGG
231	234	AGCAGATAACGTCCAATGACGCC	GGCGTCATTGGGACGTTATCTGCT
232	235	TTGACCATTACGTGTTGCGCCCAT	ATGGGCGCAACACGTAATGGTCAA
233	236	TCGCGTATTTGCGGAATTCGTCTG	CAGACGAATTCCGCAAATACGCGA
234	237	CTGCGTGTCACAATGTCCCGCAG	CTGCGGGACATTGTTGACACGCAG
235	238	TCTGGTGCCACGCAAGGTCCACAG	CTGTGGACCTTGCGTGGCACCAGA
236	239	CTCCGGGAGGTCACCTAATTGCGG	CCGCAATTAAGTGACCTCCCGGAG
237	240	TTTTCGTGATTGCCCGGAGGAGGC	GCCTCCTCCGGGCAATCACGAAAA
238	241	TCGGGATGTAGCTGGGGCTACCGG	CCGGTAGCCCCAGCTACATCCCGA
239	242	CGAGCCAACGCAAACACGTCCTTG	CAAGGACGTGTTTGCGTTGGCTCG
240	243	GCAAAGCCTTTGTGGGGCGGTAGT	ACTACCGCCCCACAAAGGCTTTGC
241	244	ATTCGACCGGAAATGAGGTCTTCG	CGAAGACCTCATTTCGGTCTGAAT
242	245	TTGCTTGCTGAGTTGCTCTGTTC	GAACAGAGCAACTCAGCAAGCGAA

243 ²⁴¹	CGCGTGAAGACCCCATTCCTCGAGT	ACTCGGGAATGGGGTCTTCACGCG
244 ²⁴⁷	AACCGTATTCGCGGTCACTTGTGG	CCACAAGTGACCGCGAATACGGTT
245 ²⁴⁸	GGGGCCAACCGTTTTGAGGCGTAT	ATACGCCTCGAAACGGTTGGCCCC
246 ²⁴⁹	TTCGGCTGGCAGTCCAAACGGCTT	AAGCCGTTTGGACTGCCAGCCGAA
247 ²⁵⁰	GGGTGTGGTTAGAATGCACGGTTC	GAACCGTGCATTCTAACCACACCC
248 ²⁵¹	GCGAGGACCGAACTAGACAAACGG	CCGTTTGTCTAGTTCGGTCCTCGC
249 ²⁵²	ACGCACGCGTGACCGAAGTTGCTG	CAGCAACTTCGGTCACGCGTGCCT
250 ²⁵³	TAAAAGGTCGCTTTGAAAGGGGGA	TCCCCCTTTCAAAGCGACCTTTTA
251 ²⁵⁴	TGCGATCGCTAACTGCTGGGACAA	TTGTCCCAGCAGTTAGCGATCGCA
252 ²⁵⁵	GGAGGTATAAGCGGAGCGGCCTCA	TGAGGCCGCTCCGCTTATACCTCC
253 ²⁵⁶	ATGCTGACATGTCGTGCACCTCGT	ACGAGGTGCACGACATGTCAGCAT
254 ²⁵⁷	TGTGGTTAAAGCGTCCGTTCAACG	CGTTGAACGGACGCTTTAACCACA
255 ²⁵⁸	CGTTCACACCGGCGTAAGCTGCGT	ACGCAGCTTACGCCGGTGTGAACG
256 ²⁵⁹	CCTATCCCGGCGAGAACTTCTGTG	CACAGAAGTTCTCGCCGGGATAGG
257 ²⁶⁰	GTCTGCACTCACGCAGCGGAGGGA	TCCCTCCGCTGCGTGAGTGCAGAC
258 ²⁶¹	GCACGAGTTGGTGCTCGGCAGATT	AATCTGCCGAGCACCAACTCGTGC
259 ²⁶²	AACGTGCGACGACACACGTTTCGTC	GACGAACGTGTGTCTGTCGACGTT
260 ²⁶³	ATGCGCGCTTATCCTAGCATGGTC	GACCATGCTAGGATAAGCGCGCAT
261 ²⁶⁴	TCACGTTTTCTGCTCGACATGAGG	CCTCATGTCGAGACGAAAACGTGA
262 ²⁶⁵	TGTGCCTCATCCTTAGGATACGGC	GCCGTATCCTAAGGATGAGGCACA
263 ²⁶⁶	AGGTGGTGTGGGTCAACCGCTTTA	TAAAGCGGTTGACCCACACCACCT
264 ²⁶⁷	CTGGATCGAAGGGACTGCAAGCTC	GAGCTTGCAGTCCCTTCGATCCAG
265 ²⁶⁸	TAGATCAACTCGCGTACGCATGGA	TCCATGCGTACGCGAGTTGATCTA
266 ²⁶⁹	GATCCTGCGGAGAAGAGAGTGCAG	CTGCACTCTCTTCTCCGCAGGATC
267 ²⁷⁰	TACGTGTGGAGATGCCCCGAACCG	CGGTTCCGGGGCATCTCCACACGTA
268 ²⁷¹	GCGCTATGTCAATCGTGGGCGTAG	CTACGCCACGATTGACATAGCGC
269 ²⁷²	AGCGAGGTTTCTAGCGTCGACACC	GGTGTGACGCTAGAAACCTCGCT
270 ²⁷³	ACCCAGGTTTTGCCGTTGTGGAAT	ATTCCACAACGGCAAAACCTGGGT
271 ²⁷⁴	CCCTGTAAACGGCTGCGTAGTCTC	GAGACTACGCAGCCGTTAACAGGG
272 ²⁷⁵	AGGCCGATTTACCCGCCAATTGC	GCAATTGGCGGGTGAAATCGGCCT
273 ²⁷⁶	GAGCCCTCACTCCTTGCCCTTTGA	TCAAAGGGCAAGGAGTGAGGGCTC
274 ²⁷⁷	GGGTGGACATCCGCCTCGCAGTCA	TGACTGCGAGGCGGATGTCCACCC
275 ²⁷⁸	GATGGCTGAGAACCGTGCTACGAT	ATCGTAGCACGGTTCTCAGCCATC
276 ²⁷⁹	TCGACGTTAGGAGTGCTGCCAGAA	TTCTGGCAGCACTCCTAACGTCGA
277 ²⁸⁰	CGAATGGGTCTGGACCTTGCATAG	CTATGCAAGGTCCAGACCCATTGG
278 ²⁸¹	GTGCACCAGACATTCGAACCTCGGA	TCCGAGTTCGAATGTCTGGTGCAC
279 ²⁸²	AGAGGCCCCGTATATCCCATCCAT	ATGGATGGGATATACGGGGCCTCT
280 ²⁸³	AACGCCTGTTTCAGAGCATCAGCGG	CCGCTGATGCTCTGAACAGGCGTT
281 ²⁸⁴	AAGGCTCAACACGCCTATGTGCGC	GCGCACATAGGCGTGTTGAGCCTT
282 ²⁸⁵	AGTCCGTGTTGCCAGATTGGCTCG	CGAGCCAATCTGGCAACACGGACT
283 ²⁸⁶	ATGTCCCATGTAAAGACGCGTGTG	CACACGCGTCTTTACATGGGACAT

284 288	ATGGAGTCTGCTCACGCCCAAAGG	CCTTTGGGCGTGAGCAGACTCCAT
285 289	CGGCCTCCAACAAGGAGCACTAAC	GTTAGTGCTCCTTGTTGGAGGCCG
286 290	CAGAGCCGTGGCAACATTGCGAGC	GCTCGCAATGTTGCCACGGCTCTG
287 291	TCATTTGAATGAGGTGCGCACCGG	CCGGTGCGCACCTCATTCAAATGA
288 292	GACGTACCGGAAGCGCCGTATAAA	TTTATACGGCGCTTCCGGTACGTC
289 293	ATGCGAGCAATGGGATCCGGATTC	GAATCCGGATCCCATTGCTCGCAT
290 294	AGAGTGAGGCCTCCCTGACCAAGT	CACTGGTCAGGGAGGCCTCACTCT
291 295	CGCACCGTAAGTAGATTTGCCCGC	GCGGGCAAATCTACTTACGGTGCG
292 297	TGAACCTTTGAGCACGTGCTGCGC	GCGCACGACGTGCTCAAAGGTTCA
293 298	TCCGCCTTTTTGTTACCTCGAAG	CTTCGAGGTAACCAAAAAGGCGGA
294 299	GAACGCCAACGGCACTAACACATC	GATGTGTTAGTGCCGTTGGCGTTC
295 300	CCGACAGCAGCCAAGACGTCCCAG	CTGGGACGTCTTGCTGCTGTGCG
296 302	CATAAAAAACCTGGGGCTCTGCG	CGCAGAGCCCCAGGTTTTTTTATG
297 303	TGCCAACTGTGCAGACCGGACTTA	TAAGTCCGGTCTGCACAGTTGGCA
298 304	GGCGAAAGAGCGAAACCGGCTCGT	ACGAGCCGGTTTTGCTCTTTCGCC
299 305	GGGATGCGTATTTTAGCGAACACG	CGTGTTGCTAAAATACGCATCCC
300 306	TGGGATTACGCGACCAAGTACGCGA	TCGCGTACTGGTCGCTGAATCCCA
301 307	CCCGATATTCGCCCGGCCTATTG	CGAATAGGCCGGGCGAATATCGGG
302 308	CGAGAAGATGCCTCACGCAACCAA	TTGGTTGCGTGAGGCATCTTCTCG
303 309	AACCTTGACCCGTGGATGACGCTA	TAGCGTCATCCACGGGTCAAGGTT
304 310	GGCTAGACGATGGATACCCGTGCC	GGCACGGGTATCCATCGTCTAGCC
305 311	GCCTCTTCTCGACGATGCGATTTT	AAAATCGCATCGTCGAGAAGAGGC
306 312	GCTTCCGGATGAACGGGATGGTTG	CAACCATCCCGTTCATCCGGAAGC
307 313	CCCTCCATGTTCTTCGAACGGTTT	AAACCGTTCGAAGAACATGGAGGG
308 314	TTGATGGGCGGCAATGCTCTTGCT	AGCAAGAGCATTGCCGCCCATCAA
309 315	ATTGTGAGATGCGCCAAATTCCCC	GGGGAATTTGGCGCATCTCACAAT
310 316	TCAGCACAGCCAGACGGTCAACTT	AAGTTGACCGTCTGGCTGTGCTGA
311 317	ACTCCACTCCTCGGTGGCAAACCTA	TAGTTTGCCACCGAGGAGTGGAGT
312 318	TCTGGGCATGCCTGGACGGAGACG	CGTCTCCGTCCAGGCATGCCCAGA
313 319	TCTCAACTCCGGTACGACGAAACA	TGTTTCGTCGTACCGGAGTTGAGA
314 320	TTGCGTGGTCAAAGGCGCAACGTG	CACGTTGCGCCTTTGACCACGCAA
315 321	AGACAGCGATCCGCGGCTCATGAT	ATCATGAGCCGCGGATCGCTGTCT
316 322	CGCGTCTCTAACTGAGAGCAGCCA	TGGCTGCTCTCAGTTAGAGACGCG
317 323	AGGCGCACATGTACGGACATTGAG	CTGAATGTCCGTACATGTGCGCCT
318 324	GATGAGTGGCACGTCCGTGTGTAA	TTACACACCGACGTGCCACTCATC
319 325	TGATCCATATTGTCGGACGTTGCG	CGCAACGTCCGACAATATGGATCA
320 326	ACCTGCCGGGAGTTCATAGGCTAG	CTAGCCTATGAACTCCCGGCAGGT
321 327	AGCATTGGCGTTTTTCCGCAACGA	TCGTTGCGGAAAAACGCCAATGCT
322 328	GGTAATATTCAGCGCGACCGCTCA	TGAGCGGTGCGGCTGAATATTACC
323 329	ATAGCGTACGACGAGGTGACGCGC	GCGCGTCACCTCGTCGTACGCTAT
324 331	TAGGTCACGATGCGTTTGACGCTA	TAGCGTCAAACGCATCGTGACCTA

325332	ACTGCCCCGTACCTCTGGTTCTGGC	GCCAGAACCAGAGGTACGGGCAGT
326334	CCTTTGGCCTGAAGTTGTCGTAGC	GCTACGACAACTTCAGGCCAAAGG
327335	GTGCCCCACGAGCGTATCGTTGTA	TACAACGATACGCTCGTGGGGCAC
328336	AGGCGCTACGTGGGCCTGGAGCAA	TTGCTCCAGGCCACGTAGCGCCT
329337	GGGTGCTACCATTGCATTAGTCCG	CGGACTAATGCAATGGTAGCACCC
330338	ACCACGCGCGTACGTGTAACCGAG	CTCGGTTACACGTACGCGCGTGGT
331339	CCATGATGCATTGGGTGCATTTAG	CTAAATGCACCCAATGCATCATGG
332340	GGTCCGGCCCTACGAAACGTTCTGA	TCGAACGTTTCGTAGGGCCGGACC
333341	CCGTGTGGCTGGAGATTCGTGTGA	TCACACGAATCTCCAGCCACACGG
334342	GTTAGGGCGACGCATATTGGCACA	TGTGCCAATATGCGTCGCCCTAAC
335343	GGGTCAGTCAGGTGCGTTAGGATC	GATCCTAACGCACCTGACTGACCC
336345	GCCGTGAAGTCGAATGCAGATCGA	TCGATCTGCATTGACTTCACGGC
337346	GCCACCACCCAGTGCATTCAGGTA	TACCTGAATGCACTGGGTGGTGGC
338347	GAGCTTAGTTTGCGGTATCGGGC	GCCCGATGACCGCAAACCTAAGCTC
339348	TGTTTGCCGCCATTAGGGAGTAAC	GTTACTCCCTAATGGCGGCAAACA
340349	GCTCCGCTGGATGTGCCGGTTTAG	CTAAACCGGCACATCCAGCGGAGC
341350	CGGTAGCATGCGAGATCCCTGTTA	TAACAGGGATCTCGCATGCTACCG
342351	CTACGCTCTACCAGTTGCCTGCGA	TCGCAGGCAACTGGTAGAGCGTAG
343352	GTGCCTCCTGCTGTATTTGCCAAG	CTTGCCAAATACAGCAGGAGGCAC
344353	TTGCGACTCGACTTGGACGAGTAG	CTACTCGTCCAAGTCGAGTCGCAA
345354	TCTGGGAGCTGTTTACTCCAGCCA	TGGCTGGAGTAAACAGCTCCCAGA
346355	TGCACGCGGAACCTCCCTTTACCAT	ATGGTAAAGGGAGTTCGCGTGCA
347356	TGGCAGCAAATGAATCGAAAGCAC	GTGCTTTCGATTCAATTGCTGCCA
348357	AACTGGTGACGCGGTACAGCGAAG	CTTCGCTGTACCGCGTCACCAGTT
349358	AGACGATTACGCTGGACGCCGTCG	CGACGGCGTCCAGCGTAATCGTCT
350359	ATGCCCTCCTTCATGGAAAGGGTT	AACCCCTTCCATGAAGGAGGGCAT
351360	ATTCTCGGAGCGTATGCGCCAGAA	TTCTGGCGCATACGCTCCGAGAAT
352361	ATAGCGGAGTTTGGGTACGCGAAC	GTTTCGCGTACCCAACTCCGCTAT
353362	ACCTACGCATACCGCTTGGCGAGG	CCTCGCCAAGCGGTATGCGTAGGT
354363	GATTACCTGAATGGCCAAGCGAGC	GCTCGCTTGGCCATTCAGGTAATC
355364	CCTGTTAGCATCACGGCGCTTAGG	CCTAAGCGCCGTGATGCTAACAGG
356365	CGGAATGATGCGCTCGACAACGCT	AGCGTTGTGAGCGCATCATTCCG
357366	TGAGAGAGGCGTTGGTTAAGGCAA	TTGCCTTAACCAACGCCTCTCTCA
358367	AAGCAGGCGAAGGGATACTCCTCG	CGAGGAGTATCCCTTCGCCTGCTT
359368	TCACGACAGACGGGCGGAGATTAC	GTAATCTCGGCCCGTCTGTCGTGA
360369	AAGCAATTTGGCCTCGTTTTGTGA	TCACAAAACGAGGCCAAATTGCTT
361370	GCTGGTTGCGGTAGGATCGCATAT	ATATGCGATCCTACCGCAACCAGC
362372	TTGTGAATCCGTTCTGTCCCGAC	GTCGGGGACAGAACGGATTCACAA
363373	TGGGCTCCTCTGAGGCGAGATGGC	GCCATCTCGCCTCAGAGGAGCCCA
364374	GGATAGAGTGAATCGACCGGCAAC	GTTGCCGGTCGATTCACTCTATCC
365375	TGCACCGAACGTGCACGAGTAATT	AATTACTCGTGCACGTTCCGGTGCA

366376	GCCAGTATTCTCGGGTGTGGACG	CGTCCAACACCCGAGAATACTGGC
367377	TCGCTACCTAAGACCGGGCCATAC	GTATGGCCCGGTCTTAGGTAGCGA
368378	TGGCATTGACGAGCAGCAGTCAGT	ACTGACTGCTGCTCGTCAATGCCA
369379	CGCGTCCCAGCGCCCTTGGAGTAT	ATACTCCAAGGGCGCTGGGACGCG
370380	ATGAAGCCTACCGGGCGACTTCGT	ACGAAGTCGCCCCGGTAGGCTTCAT
371381	CCAGACAGATGGCCTGGAACCATG	CATGGTTCCAGGCCATCTGTCTGG
372382	TGGCGTGGGACCATCTCAAAGCTA	TAGCTTTGAGATGGTCCACGCCA
373383	CCGCATGGGAACACGTGTCAAGGT	ACCTTGACACGTGTTCCCATGCGG
374384	GCCCCACTCGTCAGCTGGACGTAAT	ATTACGTCCAGCTGACGAGTGGGC
375385	ATTACGGTCGTGATCCAGAAAGCG	CGCTTTCTGGATCACGACCGTAAT
376386	TGCGAGGTGAGCACCTACGAGAGA	TCTCTCGTAGGTGCTCACCTCGCA
377387	GGGCCGCATTCTTGATGTCCATTC	GAATGGACATCAAGAATGCGGCC
378388	CCTCGGATGTGGGCTCTCGCCTAG	CTAGGCGAGAGCCCATCCGAGG
379389	TAGGCATGTTGGCGTGAGCGCTAT	ATAGCGCTCACGCCAACATGCCTA
380390	CGATACGAACGAGGATGTCCGCCT	AGGCGGACATCCTCGTTCGTATCG
381391	TACGCCGGTTAGCACGGTGCGCTA	TAGCGCACCGTGCTAACCGGCGTA
382392	CATACGATGTCCGGGCCGTGTGCGC	GCGACACGGCCCCGGACATCGTATG
383393	ATCCGCAGTTGTATGGCGCGTTAT	ATAACGCGCCATACAACCTGCGGAT
384394	GGGTAAGGGACAAAGATGGGATGG	CCATCCCATCTTTGTCCCTTACCC
385395	ATTGGAGTGTTTTGGTGAATCCGC	GCGGATTACCAAAACACTCCAAT
386396	GAACCGAGCCAACGTATGGACACG	CGTGTCCATACGTTGGCTCGGTTT
387397	GCCGTCAAGCTTAAGGTTTTGGGC	GCCCCAAACCTTAAGCTTGACGGC
388398	ACCTGCTTTTGGGTGGGTGATATG	CATATCACCCACCCAAAAGCAGGT
389399	AATCGTGGGCGCAGCAAACGTATA	TATACGTTTGCTGCGCCACGATT
390400	GTCGCCGGATTGCTCAGTATAAGC	GCTTATACTGAGCAATCCGGCGAC
391401	ACCCGTCGATGCTTCCTCCTCAGA	TCTGAGGAGGAAGCATCGACGGGT
392402	ATCCGGGTGGGCGATACAAGAGAT	ATCTCTTGATCGCCACCCGGAT
393403	TTCCGCATGAGTCAGCTTTGAAAA	TTTTCAAAGCTGACTCATGCGGAA
394404	GCAAAGTCCCAGTGGCAAGCCGAT	ATCGGCTTGCCAGTGGGACTTTGC
395405	CGACCTCGGCTTCATCGTACACAT	ATGTGTACGATGAAGCCGAGGTG
396406	CTCATGAGCGCAGTTGTGCGTGAG	CTCACGCACAACTGCGCTCATGAG
397407	CAGATGAAGGATCCACGGCCGGAG	CTCCGGCCGTGGATCCTTCATCTG
398408	TCAAAGGCTCTTGATACAGCCGT	ACGGCTGTATCCAAGAGCCTTTGA
399409	TCCGCTAATTCCAATCAGGGCTC	GAGCCCTGATTGGAAATTAGCGGA
400410	ACGCACGGCGCTTTTGCCCTTAATG	CATTAAGGCAAAAGCGCCGTGCGT
401411	TGACAACGTCACAAGGAGCAGGAC	GTCCTGCTCCTTGACGTTGTCA
402412	CTTAGTTGGGGCGCGGTATCCAGA	TCTGGATACCGCGCCCCAACTAAG
403413	GCTCTAATGCCGTGGAGTCGGAAC	GTTCCGACTCCACGGCATTAGAGC
404414	CCGATTACAAATTGACTGACCGCA	TGCGGTGAGTCAATTTGTAATCGG
405415	AGACGTACGTGAGCCTCCCGTGTC	GACACGGGAGGCTCACGTACGTCT
406416	AATGGAGCGATACGATCCAACGCA	TGCGTTGGATCGTATCGCTCCATT

407 417	GGAGGCGCTGTAAGGCGTA	TACGCCTATCAGTACAGCGCCTCC
408 418	TGTTTTGAATTGACCACACGGGA	TCCCGTGTGGTCAATTCAAAAACA
409 419	CATGTCTGGATGCGCTCAATGAAG	CTTCATTGAGCGCATCCAGACATG
410 420	GCCCGCTAATCCGACACCCAGTTT	AAACTGGGTGTCGGATTAGCGGGC
411 421	CCATTGACAGGAGAGCCATGAGCC	GGCTCATGGCTCTCCTGTCAATGG
412 422	GAATCACCGAATCACCGACTCGTT	AACGAGTCGGTGATTCGGTGATTCT
413 423	AACCAGCCGCGAGTAGCTTACGTCG	CGACGTAAGCTACTGCGGCTGGTT
414 424	TTTTCTGAGGGACACGCGGGCGTT	AACGCCCCGCGTGTCCCTCAGAAAA
415 425	GGTGCTCCGTTTGATCGATCCTCC	GGAGGATCGATCAAACGGAGCACC
416 426	CCGCTTAGGCCATACTCTGAGCCA	TGGCTCAGAGTATGGCCTAAGCGG
417 427	TAAGACATACCGACGCCCTTGCTT	AGGCAAGGGCGTCGGTATGTCTTA
418 428	GTTCCCGACGCCAGTCATTGAGAC	GTCTCAATGACTGGCGTCGGGAAC
419 429	TAAAAGTTTCGCGGAGGTCGGGCT	AGCCCGACCTCCGCGAAACTTTTA
420 430	CGGTCCAGACGAGCTGAGTTCGGC	GCCGAACCTCAGCTCGTCTGGACCG
421 431	CGGCGTAGCGGCTACGGACTTAAA	TTTAAGTCCGTAGCCGCTACGCCG
422 432	GCTTGGATGCCCATGCGGCAAGGT	ACCTTGCCGCATGGGCATCCAAGC
423 433	AGCGGGATCCCAGAGTTTCGAAAA	TTTTCGAAACTCTGGGATCCCGCT
424 434	GAGCTTGAGAGCGAGGTCATCCTC	GAGGATGACCTCGCTCTCAAGCTC
425 435	GCATCGGCCGTTTTGACCATATTC	GAATATGGTCAAAACGGCCGATGC
426 436	CATAGCGCTGCACGTTTCGACCGC	GCGGTCGAAACGTGCAGCGCTATG
427 437	ACCCGACAACCACCAATTCAAAAA	TTTTTGAATTGGTGGTTGTGCGGT
428 438	GCGAACACTCATAAGAGCGCCCTG	CAGGGCGCTCTTATGAGTGTTCCG
429 439	CCGCCGAGTGTAGAGAGACTCCGA	TCGGAGTCTCTCTACACTCGGCGG
430 440	GACATCGGGAGCCGGAACATGAG	CTCATGTTTCCGGCTCCCGATGTC
431 441	TCGTGTAGACTCGGCGACAGGCGT	ACGCCTGTGCGCGAGTCTACACGA
432 442	ATGCGCATATACTGACTGCGCAGG	CCTGCGCAGTCAGTATATGCGCAT
433 443	ACAAGCGAACCCGAGTTTTGATGA	TCATCAAAACTCGGGTTCGCTTGT
434 444	GCATGAGACTCCGCGAAGACATGT	ACATGTCTTCGCGGAGTCTCATGC
435 445	TCCTACATGTGCGGTCACGATCAC	GTGATCGTGACGCGACATGTAGGA
436 446	GACCGATCGCGAAGTCGTACACAT	ATGTGTACGACTTCGCGATCGGTC
437 447	GTCGCCAGGACTGGGCCGATGTGA	TCACATCGGCCCAGTCCTGGCGAC
438 448	ACCGATAAGACTTGCATCCGAACG	CGTTCGGATGCAAGTCTTATCGGT
439 449	TCCATAACCAGTCCGAAGTGCCGG	CCGGCACTTCGGACTGGTTATGGA
440 450	ACGCGCCCTGCATCTCGTATTTAA	TTAAATACGAGATGCAGGGCGCGT
441 451	AGACCGCATCAATTGGCGCGTACC	GGTACGCGCCAATTGATGCGGTCT
442 452	AGAGGCTTGGCAAGTAGGGACCCT	AGGGTCCCTACTTGCCAAGCCTCT
443 453	GCAATGGACGCCAGACGATACCGG	CCGGTATCGTCTGGCGTCCATTGC
444 454	GCTGGACTTAGTCGTGTTTCGGCGG	CCGCCGAACACGACTAAGTCCAGC
445 455	AGGCATCGTGCCGATTGCTCCCT	AGGGAGCAATCCGGCACGATGCCT
446 456	TGCGCATGTGACGTTGAACAAAG	CTTTGTTCAACGTCGACATGCGCA
447 457	TTCCGGGTCACATCCGATGCCATAC	GTATGGCATCGGATGTGACCCGAA

448461	ACCCATCGCCGGAAGCGATGTTG	CAACATCGCTTCCGGCGATGGGT
449462	AAGCGCTGACTCGGCTAAGAATCA	TGATTCTTAGCCGAGTCAGCGCTT
450463	ACTTCCAAGTCCTTGACCGTCCGA	TCGGACGGTCAAGGACTTGGAAGT
451464	TCTCAATATTCCCGTAGTCGCCCA	TGGGCGACTACGGGAATATTGAGA
452465	AACAGTTCCTCTTTTCTGCGCGC	GCGCCAGGAAAAAGAGGAACTGTT
453466	CGTCCTCCATGTTGTCACGAACAG	CTGTTCTGTGACAACATGGAGGACG
454467	TGCGCAGACCTACCTGTCTTTGCT	AGCAAAGACAGGTAGGTCTGCGCA
455468	ATGGACGGCTTCGCAGTCCTCCTT	AAGGAGGACTGCGAAGCCGTCCAT
456469	TGAACGCTTTCTATGGGCCACGTA	TACGTGGCCCATAGAAAGCGTTCA
457470	TGAACCCTGCCGCGAGCGATAACC	GGTTATCGCTCGCGGCAGGGTTCA
458471	GTTCTTGCGCGATGAATCAGGACC	GGTCCTGATTCATCGCGCAAGAAC
459472	AGGGTACGTGTCGCAGCTTCGCGT	ACGCGAAGCTGCGACACGTACCCT
460473	ACCCTTGCTCCGCCATGTCTCTCA	TGAGAGACATGGCGGAGCAAGGGT
461474	GGGACAAGGATTGAAGCTGGCGTC	GACGCCAGCTTCAATCCTTGTCCTC
462475	TGTCGTTGCTCCCGAGTACCATTG	CAATGGTACTCGGGAGCAACGACA
463476	GTTGTCCGAGACGTTTGTGTCAGC	GCTGACACAAACGTCTCGGACAAC
464477	GCTGGTGAACACTCACGAACCGCT	AGCGGTTCTGTGAGTGTTCACCAGC
465478	GCAGACAGGGCAAATCGGTGCAAA	TTTGCACCGATTTGCCCTGTCTGC
466479	CCCATCACAACGAGTGGCGACTTT	AAAGTCGCCACTCGTTGTGATGGG
467480	GCTTCTACAGCTGGCGTGCTAGCG	CGCTAGCACGCCAGCTGTAGAAGC
468481	GAATGTGTGCCGACCATTCTAGCC	GGCTAGAATGGTCCGGCACACATTC
469482	CCAGCGGAAGTTAGAGCTCTGTGG	CCACAGAGCTCTAACTTCCGCTGG
470483	TTTTTACCGACCACTCCATGTCGG	CCGACATGGAGTGGTCGGTAAAAA
471484	GCGGCTATGTGATGACGGCCTAGC	GCTAGGCCGTCATCACATAGCCGC
472485	AGTACACGGGCGTGTTAGCGCTCC	GGAGCGCTAACACGCCCGTGACT
473486	TCCTGTGTGGTGGCGCACTCCCAC	GTGGGAGTGCGCCACCACACAGGA
474487	CCAATAACCAATCGCGCGGATGA	TCATCCGCGCGATTGGTTAGTTGG
475488	AGTGAGTGACCAAGGCAGGAGCAA	TTGCTCCTGCCTTGGTCACTCACT
476489	CATCTTTCGCGGAGTTTATTGCGG	CCGCAATAAACTCCGCGAAAGATG
477490	CTTCGTCCGGTTAGTGCGACAGCA	TGCTGTGCGCACTAACCGGACGAAG
478491	CTCACGAAAACGTGGGCCCCGAAAT	ATTTCCGGGCCACGTTTTCTGTGAG
479492	CGCAGCAGCTGAACTCTAGCATTG	CAATGCTAGAGTTCAGCTGCTGCG
480493	AGGAGACATACGCCCAAATGGTGC	GCACCATTTGGGCGTATGTCTCCT
481494	ATTGAGAACTCGTGCGGGAGTTTG	CAAACCTCCCGCACGAGTTCTCAAT
482495	CTCTTTGTAGGCCCAGGAGGAGCA	TGCTCCTCCTGGGCCCTACAAAGAG
483496	GCCGCAGGGTCGATAATTGGTCTA	TAGACCAATTATCGACCCTGCGGC
484497	AAACGCCGCCCTGAGACTATTGGG	CCCAATAGTCTCAGGGCGGCGTTT
485498	CTGAGTTGCCTGGAACGTTGGACT	AGTCCAACGTTCCAGGCAACTCAG
486499	CGGATGGGTTGCAGAGTATGGGAT	ATCCCATACTCTGCAACCCATCCG
487500	CTGACCTTTGGGGGTTAGTGCGGT	ACCGCACTAACCCCCAAAGGTCAG
488501	GGAAATGAGAACCTTACCCAGCG	CGCTGGGGTAAGGTTCTCATTTCC

489503	AACGCATCGTCCGTCAACTCATCA	TGATGAGTTGACGGACGATGCGTT
490505	TGGAGAGAGACTTCGGCCATTGTT	AACAATGGCCGAAGTCTCTCTCCA
491506	TTGCGCTCATTGGATCTTGTCAGG	CCTGACAAGATCCAATGAGCGCAA
492507	AGCGCGTTAAAGCACGGCAACATT	AATGTTGCCGTGCTTTAACGCGCT
493508	AGCCAGTAAACTGTGGGCGGCTGT	ACAGCCGCCCACAGTTTACTGGCT
494509	CGACTGATGTGCAACCAGCAGCTG	CAGCTGCTGGTTGCACATCAGTCG
495510	GGTTGCTCATACGACGAGCGAGTG	CACTCGCTCGTCGTATGAGCAACC
496511	GCGCAAATCCACGGAACCCGTACC	GGTACGGGTTCCGTGGATTGCGC
497512	ACGCAGTTTATTCCCCTGGCTTCT	AGAAGCCAGGGGAATAAACTGCGT
498513	AGAACCTCCGCGCCTCCGTAGTAG	CTACTACGGAGGCGCGGAGGTTCT
499514	AAAGGAGCTTTCGCCCAACGTACC	GGTACGTTGGGCGAAAGCTCCTTT
500515	AGTGATTGTGCCACTCCACAGCTC	GAGCTGTGGAGTGGCACAATCACT
501516	GCGATCGTCGAGGGTTGAGCTGAA	TTCAGCTCAACCCTCGACGATCGC
502517	GGGAGACAGCCATTATGGTCCTCG	CGAGGACCATAATGGCTGTCTCCC
503518	GAGACGCTGTCACTCCGGCAGAAC	GTTCTGCCGGAGTGACAGCGTCTC
504519	CCACCGGTCGCTTAAGATGCACTT	AAGTGCATCTTAAGCGACCGGTGG
505520	CGGCATAACGTCCAGTCCTGGGAC	GTCCCAGGACTGGACGTTATGCCG
506521	AAGCGGAACGGGTTATACCGAGGT	ACCTCGGTATAACCCGTTCCGCTT
507522	TGCACACTAGGTCCGTCGCTTGAT	ATCAAGCGACGGACCTAGTGTGCA
508523	AGGGAACCGCGTTCAAACCTCAGTT	AACTGAGTTTGAACGCGGTTCCCT
509524	GAATTACAACCACCCGCTCGTGTT	AACACGAGCGGGTGGTTGTAATTC
510525	TTCAGTGCTCACGAAGCATGGATT	AATCCATGCTTCGTGAGCACTGAA
511526	TTAGTTTGGCGTTGGGACTTCACC	GGTGAAGTCCCAACGCCAAACTAA
512527	AATGCGACCTCGACGAGCCTCATA	TATGAGGCTCGTCGAGGTCGCATT
513528	CCGAAACCGTTAACGTGGCGCACA	TGTGCGCCACGTTAACGGTTTCGG
514529	TAAAGTAACAAGGCGACCTCCCGC	GCGGGAGGTCGCCTTGTTACTTTA
515530	TAATGATTTTAGTCGCGGGGTGGG	CCCACCCCGCGACTAAAATCATT
516531	GGCTACTCTAAGTGCCCGCTCAGG	CCTGAGCGGGCACTTAGAGTAGCC
517532	TGGCGGACGACTCAATATCTCACG	CGTGAGATATTGAGTCGTCCGCCA
518533	GGGCGTTAGGCGTAATAGACCGTC	GACGGTCTATTACGCCTAACGCC
519534	GCCACCTTTAGACGGCGGCTCTAG	CTAGAGCCGCGCTCTAAAGGTGGC
520535	GAGATGTGTAAACGTGCAGGCACC	GGTGCCTGCACGTTTACACATCTC
521536	TAGCTCGTGGCCCTCCAAGCGTGT	ACACGCTTGAGGGGCCACGAGCTA
522537	GTGTCGGCGCTATTTGGCCTTACC	GGTAAGGCCAAATAGCGCCGACAC
523538	CCAGGGAAGCAACTGGTTGCCATT	AATGGCAACCAGTTGCTTCCCTGG
524539	TTCCGAAACTAAGCCAGAACCGCT	AGCGGTTCTGGCTTAGTTTCGGAA
525540	GCAAACCCGGTAACCCGAGAGTTC	GAACTCTCGGGTTACCGGGTTTGC
526541	GCAAATGGCGTCATGCACGAACGT	ACGTTCTGTGCATGACGCCATTTGC
527542	AGTACTTTCGCGCCAGTTTAGGG	CCCTAAACTGGGCGCGAAAGTACT
528543	AAGATCTGCGAGGCATCCCGGCTT	AAGCCGGGATGCCTCGCAGATCTT
529544	GCAAGTGTATCGCACAGTGCGATT	AATCGCACTGTGCGATACACTTGC

530546	CCGACAAGGCCTCAATTCATTCTG	CAGAATGAATTGAGGCCTTGTCCG
531547	GTCTCGTCTCAACTTTAAGGCGCG	CGCGCCTTAAAGTTGAGACGAGAC
532548	ATCCAGAGATCCGTTTTGCAGCGT	ACGCTGCAAAACGGATCTCTGGAT
533550	GTCACCAGGAGGGAAGTTTCACCC	GGGTGAAACTTCCCTCCTGGTGAC
534551	TTCCGTCAGGCGGATCAACGGAAT	ATTCCGTTGATCCGCCTGACGGAA
535552	ATGCCGGACACGCATTACACAGGC	GCCTGTGTAATGCGTGTCCGGCAT
536553	TGGGCCGCTTGGCGCTTTCATAGA	TCTATGAAAGCGCCAAGCGGCCCA
537554	CCTAGCGCGAGCTTTACTGACCAG	CTGGTCAGTAAAGCTCGCGCTAGG
538555	TTGGCCAGGAATATGGTCTCGAGA	TCTCGAGACCATATTCCTGGCCAA
539556	GTCTGCGGCCGACTTGCTATGCAT	ATGCATAGCAAGTCGGCCGCAGAC
540557	AACTTGCTCATTCTCAAGCCGACG	CGTCGGCTTGAGAATGAGCAAGTT
541558	ACGTCAGCGATTGTGGCGAAATAT	ATATTTGCGCACAATCGCTGACGT
542559	ACGGCCTGCGTCAGCACATGCATC	GATGCATGTGCTGACGCAGGCCGT
543560	ATACCTCCGCAGAACCATTCCGTT	AACGGAATGGTTCTGCGGAGGTAT
544561	AGTTGCGGGTCCCACGATTCACTT	AAGTGAATCGTGGGACCGCGAACT
545562	TGCTCAATTTGTGCAGAAAACGCC	GGCGTTTTCTGCACAAATTGAGCA
546563	TTATCGCGAGAGACGACCGTGTCC	GGACACGGTCGTCTCTCGCGATAA
547564	GACGCGACGTGAGTAGTGGAAGCG	CGCTTCCACTACTCACGTGCGGTC
548565	ATGGTAGGGGCATTGGGCTTTTCT	AGGAAAGCCCAATGCCCTACCAT
549566	CCAAATATAGCCGCGCGGAGACAT	ATGTCTCCGCGCGGCTATATTTGG
550567	GCAAACCCTGATTGAATCGTGCCC	GGGCACGATTCAATCAGGGTTTGC
551568	TAGCGTCTTGCGTGAAACCATGGG	CCCATGGTTTACGCAAGACGCTA
552569	CCACCCCGACAGCGCTGGACTCTT	AAGAGTCCAGCGCTGTGCGGGTGG
553570	ACGAGCACTGAAGGCTGCTTTACG	CGTAAAGCAGCCTTCAGTGCTCGT
554571	CATATCAGCGTCGTCTAGCTCGCG	CGCGAGCTAGACGACGCTGATATG
555572	TGATCCCGGACCGGCTAGACTAAT	ATTAGTCTAGCCGGTCCGGGATCA
556573	GGCCCCGACACTACAGGGTAATCA	TGATTACCCTGTAGTGTGCGGGGCC
557574	GGCTCCAGGGCGAGATTATGAATG	CATTCATAATCTCGCCCTGGAGCC
558575	CAAAATCCGATGGGCGGAAATTA	TAATTTTCCGCCCATCGGATTTTG
559576	CACAGGCGCATAGGGAGCAAGCTA	TAGCTTGCTCCCTATGCGCCTGTG
560577	TAGCTATTGCCCCGATGGGCTACT	AGTAGCCCATCGGGGCAATAGCTA
561578	TGGTACGCGGTCCATAGCAAGTCG	CGACTTGCTATGGACCGCGTACCA
562579	GACGCTGTGGCTCGGAAACTGTTC	GAACAGTTTCCGAGCCACAGCGTC
563580	CCTGGGTTGCGCCGCTGGTAACTG	CAGTTACCACGCGGCGAACCAGG
564581	TTCCCGCGTAGCCCAACAGCTATA	TATAGCTGTTGGGCTACGCGGGAA
565582	TTGCGGATTGCTGCCGCATAACA	TGTTATGCGGCAGCAATCCGCGAA
566583	AAAAATGGCACCGAAGTTGAGGCA	TGCCTCAACTTCGGTGCCATTTTT
567584	CATTCCGCGCGAGTTGAAATCCAG	CTGGATTTCAACTCGCGCGGAATG
568585	ACGCACGTTTTTTGGCACGGTTAA	TTAACCGTGCCAAAAAACGTGCGT
569586	TGTCCATGACGTCGTTTCTCTGGT	ACCAGAGAAACGACGTCATGGACA
570587	TCTCAGTCGGACTCGTATGCCAGA	TCTGGCATACGAGTCCGACTGAGA

571/588	CTCCAAACGCACACATCAAGCATC	GATGCTTGATGTGTGCGTTTGGAG
572/589	TTCAACCAAGCGGGGTGTTTCGTGA	TCACGAACACCCCGCTTGGTTGAA
573/590	GGTGTCTGGAGGGTGGTGACCTCGA	TCGAGGTCACCACCCTCCGACACC
574/591	AGCGCTTTTGGTCATGATTTGCAA	TTGCAAATCATGACCAAAAGCGCT
575/592	CCGAGGACTTACGTCTGCCCAGGA	TCCTGGGCAGACGTAAGTCCTCGG
576/593	GCCCAATCCAGTTCTTATGCGCCC	GGGCGCATAAGAACTGGATTGGGC
577/594	CGGGTTAACCCACGCAAGTTATGA	TCATAACTTGCGTGGGTTAACCCG
578/595	TGATTAGCGCTCAATACACGCGTG	CACGCGTGATTGAGCGCTAATCA
579/596	AAGGGCAGACCTTTGGTTCGACTG	CAGTCGAACCAAAGGTCTGCCCTT
580/597	GCGCCACAAGATTACATGTTCATT	AATGACATGTGAATCTTGTGGCGC
581/598	GCCATGTTCAAGGGCCTTTCGAAG	CTTCGAAAGGCCCTTGAACATGGC
582/600	CGCGGTGTTTTGTCTAGGTGCCGG	CCGGCACCTAGACAAAACACCGCG
583/601	CAACATTGTGGTGGCACTCCATCC	GGATGGAGTGCCACCACAATGTTG
584/602	CGATACGCGCCGGTTTGTAAATC	GATTTAACAAACCGGCGCGTATCG
585/603	GGCTATAAACGTGCGGACTGCTCC	GGAGCAGTCCGCACGTTTATAGCC
586/604	TGGGTAAATCACTATTGCGCGGTT	AACCGCGCAATAGTGATTTACCCA
587/605	GTCTTCATCGGCCCGCGCAAGCTA	TAGCTTGCGCGGGCCGATGAAGAC
588/606	GCGACACACCCTGTACTCTGATGC	GCATCAGAGTACAGGGTGTGTCCG
589/607	GTAGCAGGGTCCGCAAGACCAAGC	GCTTGGTCTTGCGGACCCTGCTAC
590/608	TCGCCAACGCAGGGTAACTGCCAT	ATGGCAGTTACCCTGCGTTGGCGA
591/609	ACTCCGAAGCTTCGAGCGGCACGA	TCGTGCCGCTCGAAGCTTCGGAGT
592/610	TCCCGCCCACTAGACTGACTCGTA	TACGAGTCAGTCTAGTGGGCGGGA
593/611	ACCTTCTGGGGTCGCTCACCAATA	TATTGGTGAGCGACCCCAAGAAGGT
594/612	ATCATCCACGGCAGAGTGAAGAG	CTCTTCACTCTGCCGTGGGATGAT
595/613	CGCTGGACTGGCCTATCCGAGTCG	CGACTCGGATAGGCCAGTCCAGCG
596/614	CGGTCTCAGCAAACTGTGCAAAA	TTTGCGACAGTGTTGCTGAGACCG
597/615	CGAACGTTCTCCGATGTAATGGCC	GGCCATTACATCGGAGAACGTTCCG
598/616	ATACCGTGCGACAAGCCCTCTGA	TCAGAGGGGCTTGTGCGACGGTAT
599/617	AGCTCATTCCCGAGACGGAACACC	GGTGTTCCGTCTCGGGAATGAGCT
600/618	TTTCATGCGGCCGTTGCAAATCAT	ATGATTTGCAACGGCCGCATGAAA
601/619	ACTCGAACGGACGTTCAATTCCA	TGGGAATTGAACGTCCGTTTCGAGT
602/620	CTGCATGGTGTGGGTGAGACTCCC	GGGAGTCTACCCACACCATGCAG
603/621	CCGCGAGTGTGGATGGCGTGTTGA	TCAACACGCCATCCACACTCGCGG
604/622	AATGTGTCGGTCCTAAGCCGGGTG	CACCCGGCTTAGGACCGACACATT
605/623	TAAGACGAGCCTGCACAGCTTGCG	CGCAAGCTGTGCAGGCTCGTCTTA
606/624	GGCGTGGGAGGATAAGACGATGTC	GACATCGTCTTATCCTCCACGCC
607/625	TGCTCCATGTTAGGAACGCACCAC	GTGGTGCGTTCCTAACATGGAGCA
608/626	CGGTGTTGGTCGGACTGACGACTG	CAGTCGTCAGTCCGACCAACACCG
609/627	CCGCGCGTATCTATCAGATCTGGG	CCCAGATCTGATAGATACGCGCGG
610/628	AAAGCATGCTCCACCTGGAGCGAG	CTCGCTCCAGGTGGAGCATGCTTT
611/629	ACTTGCATCGCTGGGTAGATCCGG	CCGGATCTACCCAGCGATGCAAGT

612/030	TGCTTACGCAGTGGATTGGTCAGA	TCTGACCAATCCACTGCGTAAGCA
613/031	ATGCAGATGAACAAATCGCCGAAT	ATTCGGCGATTTGTTTCATCTGCAT
614/032	GCAATTCTGGGCCATGTATTCGTC	GACGAATACATGGCCCAGAATTGC
615/033	AGGGTTCCTTACGCGTCGACATGG	CCATGTGACGCGTAAGGAACCCT
616/034	GTGGAGCTAATCGCGAGCCTCAGA	TCTGAGGCTCGCGATTAGCTCCAC
617/035	TCGTAGTCTCACCGGCAATGATCC	GGATCATTGCCGGTGAGACTACGA
618/036	TTATAGCAGTGCGCCAATGCTTCG	CGAAGCATTGGCGCACTGCTATAA
619/037	CGAACAGTGCTGTCCGTCGCTCAA	TTGAGCGACGGACAGCACTGTTCCG
620/038	TCCGCGTGGACTGTTAGACGCTAT	ATAGCGTCTAACAGTCCACGCGGA
621/039	CATTAGCCCCTGTGTCGGTAACTGT	ACAGTTACCGACAGCGGGCTAATG
622/040	GGAAAGAACTCAGACGCGCAATG	CATTGCGCGTCTGAGTTTCTTTCC
623/041	CGACTCGCTGGACAGGAGAATCGT	ACGATTCTCCTGTCCAGCGAGTCG
624/042	CATGATCCTCTGTTTCACCCGCGG	CCGCGGGTGAAACAGAGGATCATG
625/043	GGCGTAGCGCTCTAAAAGCTTCGG	CCGAAGCTTTTAGAGCGCTACGCC
626/044	AGTGATGCCATCAGGCCCGTATAC	GTATACGGGCCTGATGGCATCACT
627/045	TATGGAAAGGGCAACAGCGCTATC	GATAGCGCTGTTGCCCTTTCCATA
628/046	CTGTGGTTGATGGAGGATCCACAC	GTGTGGATCCTCCATCAACCACAG
629/047	ACTCGCTGGAATTTGCGCTGACAC	GTGTCAGCGCAAATTCAGCGAGT
630/048	CAGGCCCGAACCACGCGGTTACAG	CTGTAACCGCGTGTTTCGGGCCTG
631/049	GGCGCAATGGGCGCATAAATACTA	TAGTATTTATGCGCCATTGCGCC
632/050	GGTCAATTCGCGCTACATGCCCTA	TAGGGCATGTAGCGCGAATTGACC
633/051	GATGGTGGACTGGAGCCCTTCCGC	GCGGAAGGGCTCCAGTCCACCATC
634/052	CCGCGCATAGCGCAATAGGGGAGA	TCTCCCCTATTGCGCTATGCGCGG
635/053	TCTTCTGGCTGTCCGGCACCCGAA	TTCGGGTGCCGGACAGCCAGAAGA
636/054	GCGTTCGCAATTCACGGGCCCTTA	TAAGGGCCCGTGAATTGCGAACGC
637/055	TCGTTTCGGCCTTGAGAGTATCG	CGATACTCTCCAAGGCCGAAACGA
638/056	AGGTGCAAGTGCAAGGCGAGAGGC	GCCTCTCGCCTTGCACTTGACCT
639/057	CGCCAGTTTCGATGGCTGACGTTT	AAACGTCAGCCATCGAACTGGCG
640/058	GCTTTACCGCCGATCCCAGATATC	GATATCTGGGATCGGCGGTAAAGC
641/059	GTGCTTGACGAAGAGGCGAAATGT	ACATTTGCGCTCTTCGTCAAGCAC
642/060	CAGTCCGTGCGCTTCATGTCCTCA	TGAGGACATGAAGCGCACGGAAGT
643/061	TACGCGTAAGAGCCTACCCTCGCG	CGCGAGGGTAGGCTCTTACGCGTA
644/062	GGCGAGTCTTGTGGGGACATGTGT	ACACATGTCCCCACAAGACTCGCC
645/063	CCAAAGCGAAGCGAGCGTGTCTAT	ATAGACACGCTCGCTTCGCTTTGG
646/064	GCCGTAGGTTGCTCTTCACCGAAC	GTTCCGGTGAAGAGCAACCTACGGC
647/065	AAATCCGCGATGTGCCGTGAGGCT	AGCCTCACGGCACATCGCGGATTT
648/066	GGCTTCGCACCCGTACCAATTTAG	CTAAATTGGTACGGGTGCGAAGCC
649/067	TGTAGAGTCCCACGTAGCCGGCAT	ATGCCGGCTACGTGGGACTCTACA
650/068	CACTAGTCTGGGGCAAGGTGCATT	AATGCACCTTGCCCCAGACTAGTG
651/069	TGTACTCGGCAGGCGCAATAGATT	AATCTATTGCGCCTGCCGAGTACA
652/070	AACGGGTATCGGAAGCGTAAAGC	GCTTTTACGCTTCGGATACCCGTT

653/673	CGGACTGCCCGTTTGCAAGTTGAG	CTCAACTTGCAAACGGGCAGTCCG
654/674	ATCGTTCAGCACTGGAGCCCGTAA	TTACGGGCTCCAGTGCTGAACGAT
655/675	ATGCATCGAACTAGTCGTGACGGC	GCCGTCACGACTAGTTCGATGCAT
656/676	TTCCAGGCATTAAGGAGAGGGAGC	GCTCCCTCTCCTTAATGCCTGGAA
657/677	GTGCGACATCTACTCCACGATCCC	GGGATCGTGGAGTAGATGTCGCAC
658/678	CTCATCGTCCTAACACGAGAGCCC	GGGCTCTCGTGTTAGGACGATGAG
659/679	AATGGCACTTCGGCGGTGATGCAA	TTGCATCACCGCCGAAGTGCCATT
660/680	CCGTGGGAGGGAATCCAACCGAGG	CCTCGGTTGGATTCCCTCCCACGG
661/681	AAATTCTCGTTGGTGACGGCTCAT	ATGAGCCGTCACCAACGAGAATTT
662/682	TTGCTCTTATCCTTGTCCTGGGCG	CGCCCAGGACAAGGATAAGAGCAA
663/683	TTAAGGATCAGGCGGAGCTTGACG	CTGCAAGCTCCGCCTGATCCTTAA
664/684	CGCGACTAAGGTGCTGCAACTCGA	TCGAGTTGCAGCACCTTAGTCGCG
665/685	GCTCGATTTACGGCCCGTTGTTC	GAACAACGGGGCCGTGAAATCGAGC
666/686	AGCAGAGTGCGTTGCAGAGGCTAA	TTAGCCTCTGCAACGCACTCTGCT
667/687	TGGAGGTGAGGACGACGTGCACTA	TAGTGCACGTCTGCTCACCTCCA
668/688	AACCGTTTAGGGTACATTCGCGGT	ACCGCGAATGTACCCTAAACGGTT
669/689	TATGATCGCTCGGCTCACAGTTTG	CAAACGTGTAGCCGAGCGATCATA
670/690	GACTTTTTGCGGAAACGTCATGGT	ACCATGACGTTTCCGCAAAAAGTC
671/691	TGTCGGTTATTCCACCTGCAAGGA	TCCTTGACAGGTGGAATAACCGACA
672/692	CTATGGTTTGCACTGCGCCGTCGA	TCGACGGCGCAGTGCAAACCATAG
673/693	AGCAGGGAAATTCATCGTTTCGA	TGCGAACGATTGAATTTCCCTGCT
674/694	CCTAACCGAGCGCTTAGCATTTCC	GGAAATGCTAAGCGCTCGGTTAGG
675/695	CCCGACCCTAACTCGCATTGAATA	TATTCAATGCGAGTTAGGGTCGGG
676/696	TTGCTTAATGGTGACGCCACGGAT	ATCCGTGGCGTCAACATTAAGCAA
677/697	GATGCTCGCCGTGTTTAGTTCACG	CGTGAACATAACACGGCGAGCATC
678/698	TCGGATGACGAGTTTCCATGACGG	CCGTCATGGAAACTCGTCATCCGA
679/699	ATGCGGTCTACTTTCTCGATCGGG	CCCGATCGAGAAAGTAGACCGCAT
680/700	TTGCGAGGCTAAGCACACGGTAAA	TTTACCGTGTGCTTAGCCTCGCAA
681/701	AACTTAATTACCGCCTCTGGCGCC	GGCGCCAGAGGGCGGTAATTAAGTT
682/702	GTGACCGCGAACTTGTTCCGACAG	CTGTCGGAACAAGTTCGCGGTCAC
683/703	TGCGGATTACCGATTGCTCTTAA	TTAAGAGCGAATCGGTAATCCGCA
684/704	TGATAGGGGGCCACGTTGATCAGA	TCTGATCAACGTGGCCCCCTATCA
685/705	TCGCTCCGTAGCGATTATCGTAG	CTACGATGAATCGCTACGGAGCGA
686/706	TGTCAGCTGGTAGCCTCCGTTTGA	TCAAACGGAGGCTACCAGCTGACA
687/707	AGCGTCGCATGACGCTTACGGCAC	GTGCCGTAAGCGTCATGCGACGCT
688/708	TCACTCAGCGCTGTGACTGCCTGA	TCAGGCAGTCACAGCGCTGAGTGA
689/709	GTTTGCCTATAGTGGGGGACCGT	ACGGTCCCCCACTATAGCGCAAAC
690/710	GTCGCATTCTGCACTGGCTTCGCC	GGCGAAGCCAGTGCGAATGCGAC
691/711	TGATTAGGTGCGGTCCCGTAGTCC	GGACTACGGGACCGCACCTAATCA
692/712	AAGGGACCTTGCGTGACGGCGAGA	TCTCGCCGTCAACCAAGGTCCCTT
693/713	TCAAATGGCCACCGCGGTGTCATTC	GAATGACACGCGGTGGCCATTGGA

694 714	CTCCGACGACCAATAAATAGCCGC	GCGGCTATTTATTGGTCGTCGGAG
695 715	GGCTATTCCCGTAGAGAGCGTCCA	TGGACGCTCTCTACGGGAATAGCC
696 716	TGGATAACCTCTCGGTCCATCCAC	GTGGATGGACCGAGAGGTTATCCA
697 717	GACCGCTGTACGGGAGTGTGCCTT	AAGGCACACTCCCGTACAGCGGTC
698 718	GCCACAGAGTTTTAGCAGGGACCC	GGGTCCCTGCTAAAACTCTGTGGC
699 719	CCCACGCTTTCCGACCACTGACCT	AGGTCAGTGGTCGGAAAGCGTGGG
700 720	CATTGACACAATGCGGGGACTGAT	ATCAGTCCCCGCATTGTGTCAATG
701 721	AGCCACTCGACAGGGTTCCAAAGC	GCTTTGGAACCCTGTCGAGTGGCT
702 722	CAGGATGAGCAAAGCGACTCTCCA	TGAGAGTCGCTTTGCTCATCCTG
703 723	CAAGGTATGGTCTGGGGCCTAAGC	GCTTAGGCCCCAGACCATACCTTG
704 724	GGTGTTGCGCCTAAACTCTTTCGG	CCGAAAGAGTTTAGGCCGAACACC
705 725	TTTAGTCGGACCCTGTGGCAATTC	GAATTGCCACAGGGTCCGACTAAA
706 726	CACACGTTTCCGACCAGCCTGAAC	G TTCAGGCTGGTCGGAAACGTGTG
707 727	CTGGACGAACTGGCTTCCTCGTAC	GTACGAGGAAGCCAGTTCGTCCAG
708 728	TTCACAATCCGCCGAAAACCTGACC	GGTCAGTTTTTCGGCGGATTGTGAA
709 729	AACAGGATATCCGCGATCACGACA	TGTCGTGATCGCGGATATCCTGTT
710 730	TACGTCGGATCCATTGCGCCGAGT	ACTCGGCGCAATGGATCCGACGTA
711 731	CATGGATCTCTCGGTTTGATCGCC	GGCGATCAAACCGAGAGATCCATG
712 732	AGCCAGGCGCGTATATACGCTCGG	CCGAGCGTATATACGCGCCTGGCT
713 733	ATTTGGCACGTGTCGTGCCATGTT	AACATGGCACGACACGTGCCAAAT
714 734	CCGCGTTGCACCACTTTGAGGTGC	GCACCTCAAAGTGGTGCAACGCGG
715 735	TTGGACGTGACAAGCATGGCGCTC	GAGCGCCATGCTTGTACAGTCCAA
716 736	CTGAATCGCGCAAGTAAATGGGGG	CCCCATTTACTTGCGCGATTACAG
717 737	GATAAGGTCCACCAGATTGCGCGC	GCGCGCAATCTGGTGGACCTTATC
718 738	CTAACAATTGCCAACCGGGACGGC	GCCGTCCCGGTTGGCAATTGTTAG
719 739	GGTAACCTGGGTGCTTGCAAGTTA	TAACCTGCAAGCACCCAGGTTACC
720 740	ATCGGAGCCACCATTGCGATTGGG	CCCAATGCGAATGGTGGCTCCGAT
721 741	GTGAACTGGCTTGCCCCAGGATTA	TAATCCTGGGGCAAGCCAGTTCAC
722 742	AGGCGATAGCATGGTCCCATATGA	TCATATGGGACCATGCTATCGCCT
723 743	AACGGTATCGTGGCTAATGCACGA	TCGTGCATTAGCCACGATACCGTT
724 744	AGTAGTGGTCCTCCAGATCGGCAA	TTGCCGATCTGGAGGACCACTACT
725 745	CCGTTGAATTGGACGGGAGGTTAG	CTAACCTCCCGTCCAATTCAACGG
726 746	GCATAAGTGCGGCATCGCAAGGG	CCCTTCGCGATGCCGCACTTATGC
727 747	CGACAAGATGCAGCTGCTACATGC	GCATGTAGCAGCTGCATCTTGTGC
728 748	TCGCAGTGATTCCCGACCGATAAG	CTTATCGGTGCGGAATCACTGCGA
729 749	CAAGGCGAGTCCACTCGAGGGGAC	GTCCCCTCGAGTGGACTCGCCTTG
730 750	GCAACTTGACGCGCATAAGTGGCC	GGCCACTTATGCCGTGCAAGTTGC
731 751	TCCGAGCTTGACGTTGCGACGTC	GACGTGCGCAACGTCAAGCTCGGA
732 752	AGCGCTGGGCTGTGCTGCCATCTC	GAGATGGCAGCACAGCCCAGCGCT
733 753	TTCATGTCGCTGAGTAACCCTCGC	GCGAGGGTTACTCAGCGACATGAA
734 754	CGAACCGCTAATGCCCATGTGTCAG	CTGACAATGGGCATTAGCGGTTCCG

735755	CACGGAAGGTGGGACAAATCGCCG	CGGCGATTGTCCCACCTTCCGTG
736756	CACAGATGGAGACAAACGCGCCTT	AAGGCGCGTTTGTCTCCATCTGTG
737757	TTTTCGCAACTCGCTCCATAACCC	GGGTTATGGAGCGAGTTGCGAAAA
738758	ACGTTACGTTTCCGGCGCCTCTAA	TTAGAGGCGCCGGAACGTAACGT
739759	TATCGGATTGCGTGGGTTTCAATC	GATTGAAACCCACGCAATCCGATA
740760	CTTCCACAATTGTCTGCGACGCAC	GTGCGTCGCAGACAATTGTGGAAG
741761	TGCACAAAGGTATGGCTGTCCGGC	GCCGGACAGCCATACCTTTGTGCA
742762	TCCGATGCCAGTCCCATCTTAAGA	TCTTAAGATGGGACTGGCATCGGA
743763	CTGAAACCGTGCGAATCGAGGTGA	TCACCTCGATTGCGACGGTTTCAG
744764	CGGTGTTCCGCGTGTGCAAAAAAT	ATTTTTTCGACACGCGGAACACCG
745765	TCTAGCAGGCCCTTTTGAATCGCCA	TGGCGATTCAAAAGGCCTGCTAGA
746766	GAGTCACCTCTGAGACGGACGCCA	TGGCGTCCGTCTCAGAGGTGACTC
747767	TCTTCTGTCTCCTGCAGCAGCAT	ATGCTGCTGCAGGATGACAGAAGA
748768	GCGGATGAAACCTGAAAGGGGCCT	AGGCCCTTTTCAGGTTTCATCCGC
749769	GGGGCCCCAACTGGTATCAAGCC	GGCTTGATACCAAGTTTGGGGCCCC
750770	GCATTGGCTTCGGATTCTCCTACA	TGTAGGAGAATCCGAAGCCAATGC
751771	AGGCGGCCCAACTGTGAGGTCTTG	CAAGACCTCACAGTTGGGCCGCCT
752772	ACACCATGTGCTCCGCGCTGCAGT	ACTGCAGCGCGGAGCACATGGTGT
753773	ACGATGAACATGAATCGGGAGTCG	CGACTCCCGATTTCATGTTTCATCGT
754774	CTGCATCCCTGTAGCAGCGCTCCG	CGGAGCGCTGCTACAGGGATGCAG
755775	GTGCCGTATTTGACCTGTGCGTT	AACGCACAGGTGCAAAATACGGCAC
756776	GCAGTGCGCACTTCAGTTCAAAG	CTTTTGAAGTGAAGTGCAGCACTGC
757777	GCGATTTTAAGCGATGCCTTGACG	CGTCAAGGCATCGCTTAAATCGC
758778	TAGGTGACCTAGGCTTGCTTGCGG	CCGCAAGCAAGCCTAGGTCACCTA
759779	CTGGATACCTTGCTGTGCGGCGC	GCGCCGCACAGGCAAGGTATCCAG
760780	CCCCTTACGGCTCGTCGTCTATGC	GCATAGACGACGAGCCGTAAGGGG
761781	GCGCTTGCCCGATGCGATGCATTA	TAATGCATCGCATCGGGCAAGCGC
762782	TTTCTGTAAGCGGCCTGGGGTTCA	TGAACCCCAGGCCGCTTACAGAAA
763783	GGCTGAGGTGAGCGGTAAGGATGA	TCATCCTTACCGCTCACCTCAGCC
764784	TCTTGGCCTCCCCGATCTAATTTG	CAAATTAGATCGGGGAGGCCAAGA
765785	GGAGGTAACGCCGTGTACGTAGGA	TCCTACGTACACGGCGTTACCTCC
766786	GTAATCCATTTGTGGCTGCGTCAA	TTGACGCAGCCACAAATGGATTAC
767787	CAAACCCATTCCAGCAGACGCCTG	CAGGCGTCTGCTGGAATGGGTTTG
768788	TAGGAGGAATTTGGCATGCGGGCG	CGCCCGCATGCCAAATTCCTCCTA
769789	ATAGGTAGGATGTGCCCCGGCGTTG	CAACGCCGGGCACATCCTACCTAT
770790	GCAAGTGCTTAGCTCGTCAGCCTC	GAGGCTGACGAGCTAAGCACTTGC
771791	CTGGCTGTGTGCGATCTCGTTAAC	GTTAACGAGATGCGACACAGCCAG
772792	CTAACGTGCTCTCGCGCAATCACT	AGTGATTGCGCGAGACGACGTTAG
773793	TTTTCATAAACGTTGTCCCCGAGC	GCTCGGGGACAACGTTTATGAAAA
774794	AGCAGGAGGACGAACCTCCGCTCC	GGAGCGGAGGTTCTGCTCCTGCT
775795	TTCAAGCACCATCGTGCAATCCAA	TTGGATTGCACGATGGTGCTTGAA

776798	AGCGTCGCCAGTGATCGCTAGTGG	CCACTAGCGATCACTGGCGACGCT
777799	TACATTCCTGCCTCCGTGGGCTT	AAGCCACGGAGGCAGGGAATGTA
778800	CGCTTCGCGTATTCAGTAGCGGTT	AACCGCTACTGAATACGCGAAGCG
779801	TCGGACGCGTCGACACTCATTATA	TATAATGAGTGTCGACGCGTCCGA
780802	TCTGAGCAGGCCAGCGCTCCAGCT	AGCTGGAGCGCTGGCCTGCTCAGA
781803	TTGAATTGCCAAGCCCTGAAAGCC	GGCTTTCAGGGCTTGGCAATTCAA
782804	AGTTTTCGCCTTGATGCGTCGGTG	CACCGACGCATCAAGGCGAAAAC
783805	GTTTCATAGGCCACGCGTGCTAAA	TTAGCACGCGTGCCCTATGAAAC
784806	GGAGCGAAGACTTCGTCTGCCCAA	TTGGGCAGACGAAGTCTTCGCTCC
785807	ATTGGCCGAGGGTGAATGCAGCCT	AGGCTGCATTACCCCTCGGCCAAT
786808	TGATCCATCCGAATGCTTTTCCAT	ATGGAAAAGCATTTCGATGGATCA
787809	GCACACAGTTGTCTTGCCCATGA	TCATGGGCCAAGACAACGTGTGTC
788810	CTGGCGGGCAGTGGA AAAACAAC	GTTGTTTTTCCACTGCCCGCCAG
789811	ATCTCCATGCGTAAGACTGCTCCG	CGGAGCAGTCTTACGCATGGAGAT
790812	TCTCCTCTCGTCGCAGTTCGTGGA	TCCACGAACTGCGACGAGAGGAGA
791813	TAGCGTATTCACTCTTGCCGAGCA	TGCTCGGCAAGAGTGAATACGCTA
792814	CAATCAAAAGCCACGGCGCGATGG	CCATCGCGCCGTGGCTTTTGATTG
793815	AGCGTCACGGAATTCAGCAGATCT	AGATCTGCTGAATTCCGTGACGCT
794816	GACTCCCTGTTAATGCGCCCAAGG	CCTTGGGCGCATTAAACAGGGAGTC
795817	TAGGCACTGCCGGTTCAGATTCAA	TTGAATCTGAACCGGCAGTGCCTA
796818	AACAGGGTGATAACGGTGGCCAAT	ATTGGCCACCGTTATCACCCGTGT
797819	CGTGCGTACCATGTGTAAGTGCCT	ACGCACTTACACATGGTACGCACG
798820	GACCAATTCTACTTCGGCAGCCCA	TGGGCTGCCGAAGTAGAATTGGTC
799821	ATCGGACCGATTTGCTTTTGGCTG	CAGCCAAAAGCAAATCGGTCCGAT
800822	TCCGCCGAAGCACACGCTTATTCTG	CGAATAAGCGTGTGCTTCGGCGGA
801823	AACGGTACGCATTGTGAGCAGTGT	ACACTGCTCACAATGCGTACCGTT
802824	TGGCGACTACTGTTCCCTGAATC	GATTCAGGGGAACAGTAGTCGCCA
803825	CAGAGGGGACAGCCGTATGCCTTA	TAAGGCATACGGCTGTCCCCTCTG
804826	CGGTGGTTTTATCGGAATCTGCGA	TCGCAGATTCCGATAAAACCACCG
805827	TTGGCCTCCGACCTCACGACATAT	ATATGTCGTGAGGTTCGGAGGCCAA
806828	CGTTTCGCTAGCATCTGGCGCCGA	TCGGCGCCAGATGCTAGCGAAACG
807829	ACTAAGCGGTGGAGCCGGTGGATG	CATCCACCGGCTCCACCGCTTAGT
808830	ATATTGGCTGCGTTTACGGGCCGC	GCGGCCCGTAAACGCAGCCAATAT
809831	CCGCTATGGTGGCAATCCCGATAC	GTATCGGGATTGCCACCATAGCGG
810832	GTTGCATGTGGCTCAGGCGGCATA	TATGCCGCCTGAGCCACATGCAAC
811833	ATTCTGGGGAGTGACCCAGGGCTT	AAGCCCTGGGTCACTCCCCAGAAT
812834	CTCTCCAAGGAGACGAGCCAATGT	ACATTGGCTCGTCTCCTTGGAGAG
813835	GAAAGGACGGGATTTGGGGGCTAA	TTAGCCCCCAAATCCCGTCTTTTC
814836	TATGTAGTACCTTGGCTCGCGCCA	TGGCGCGAGCCAAGGTACTACATA
815837	TCCCTTTCGATGAGCGGCTGTACT	AGTACAGCCGCTCATCGAAAGGGA
816838	TAGATCGGGCAGAGCCCGTATCTT	AAGATACGGGCTCTGCCCGATCTA

817839	GGAATGCTTTAGGCTGCCGAGCTG	CAGCTCGGCAGCCTAAAGCATTCC
818840	ATGGTAGCAACATTCAACGCCAGG	CCTGGCGTTGAATGTTGCTACCAT
819841	CTATGAAACGTGTGGCCCAGCAAC	GTTGCTGGGCCACACGTTTCATAG
820842	ATGTTGCTAGTGCCTTTCGGGCCT	AGGCCCCGAAAGGCACTAGCAACAT
821843	CCAATGTGCGCAGACTCAGTCATT	AATGACTGAGTCTGCGCACATTGG
822844	GATAGTGCTCGCAAACGGGCCTTC	GAAGGCCCGTTTGCGAGCACTATC
823845	GCACCCTGTTGCCTCATTGAGCGT	ACGCTCAATGAGGCAACAGGGTGC
824846	GGCGTGAATAGAGTGACCAGGCGG	CCGCCTGGTCACTCTATTACGCC
825847	ACGTGCCAGCTGCGGGCACTTTAT	ATAAAGTGCCCCGAGCTGGCACGT
826849	AGTGGAATAGTCGCGTCGTGCCGC	GCGGCACGACGCGACTATTCCACT
827850	ACTCGCCTATTACCGCTGGATTGG	CCAATCCAGCGGTAATAGGCGAGT
828851	GAGACCGGATTGAGATGATCCCGT	ACGGGATCATCTCAATCCGGTCTC
829852	CTGGCAGTTTACCACCGAACCAGT	ACTGGTTCGGTGGTAAACTGCCAG
830853	TTACATTGCCGATTTTCGCATGTGA	TCACATGCGAAATCGGCAATGTAA
831854	TAAAACTGAAGGGTCGCCTCAGCA	TGCTGAGGCGACCCTTCAGTTTTA
832855	GGCTTCGCATGCCTTTGCAACATT	AATGTTGCAAAGGCATGCGAAGCC
833856	AAGACCGAAGGTCTCTCTGAGGGC	GCCCTCAGAGAGACCTTCGGTCTT
834857	GCCTATGGCTCCAGCTCAGCAGTA	TACTGCTGAGCTGGAGCCATAGGC
835858	CGTATCATAGCGTTTCGGTGGACAA	TTGTCCACCGAACGCTATGATACG
836859	CATGCGCTCGCACTCTGCCTGTCT	AGACAGGCAGAGTGCGAGCGCATG
837860	TGGGCAATTCGGAAACGTCGGTCT	AGACCGACGTTTCCGAATTGCCCA
838861	TTGCGGAGATGCGACGGTACATTG	CAATGTACCGTCGCATCTCCGCAA
839862	ACTTTCGCACGTGATCTGGACTG	CAGTCCAGATCGACGTGCGAAAGT
840863	CTAACTGCCGCGGCAAACCTGATTA	TAATCAGTTTGCCGCGGCAGTTAG
841864	GGCCGCGGATTTTATTCCTTGGAT	ATCCAAGGAATAAAATCCGCGGCC
842865	GAATTTGGAACGGTGTTCCGATGA	TCATCGGAACACCGTTCCAAATTC
843866	GTCCATCCATCTACGGCATCAGGA	TCCTGATGCCGTAGATGGATGGAC
844867	TAAACGACCTGGCACATGTGCGTA	TACGCACATGTGCCAGGTCGTTTA
845868	CACCATCCAAGAGCCAATCCTAGG	CCTAGGATTGGCTCTTGGATGGTG
846869	ACTCATATACGATCAGTCCGCCGC	GCGGCGGACTGATCGTATATGAGT
847870	GTGCCAACCGACGATCAACCGAAC	GTTCCGTTGATCGTCGGTTGGCAC
848871	TGGGGTTCGTACAGGTCGGTTCAT	ATGAACCGACCTGTACGAACCCCA
849872	AACAGTAGAGGCGAGGCCTGCGGG	CCCGCAGGCCTCGCCTCTACTGTT
850873	TGCATCGAATCCGAGATGGATCTT	AAGATCCATCTCGGATTGATGCA
851874	GCGTCACGTTATGTCCGCTCTGTC	GACAGAGCGGACATAACGTGACGC
852875	GGGACATGCGTAGCGCAATATCAC	GTGATATTGCGCTACGCATGTCCC
853876	CACACGTCACACCATCCAAAGTGG	CCACTTTGGATGGTGTGACGTGTG
854877	ATGCTCAGGTGCTAAATACGGCCA	TGGCCGTATTTAGCACCTGAGCAT
855878	AAAAATGTTTAGCGCGCTGACTGG	CCAGTCAGCGCGCTAAACATTTTT
856879	ATAGTCCGTTTCCGTTCCCAACGA	TCGTTGGGAACGGAAACGGACTAT
857880	TCGATCTTCTGGGTTGCAGACCAG	CTGGTCTGCAACCCAGAAGATCGA

85888	GTCGGCGCAGCCGATCCTCATGTC	GACATGAGGATCGGCTGCGCCGAC
85989	GTTGCGGGGTGTCGAAAAGGATCT	AGATCCTTTTCGACACCCCGCAAC
86090	ATCTCTTCCTCGGGTGGATGCCAG	CTGGCATCCACCCGAGGAAGAGAT
86191	TGATGTGCGTTTCAGCTTTTCGCG	CGCGAAAAGCTGAAACGCACATCA
86292	GTTAAGGGGTGAGAACATCCGGCC	GGCCGGATGTTCTCACCCCTTAAC
86393	AAGTCGTCTCCCTGCGTCTCGTCC	GGACGAGACGCAGGGAGACGACTT
86494	CCGACCTAATAAGGCGCAACAATG	CATTGTTGCGCCTTATTAGGTCGG
86595	CATCATTGGCACCGTACCAATGCC	GGCATTGGTACGGTGCCAATGATG
86696	TGGAGAAAGGGAAGTGCAGCAACG	CGTTGCTGCACTTCCCTTTCTCCA
86797	TGGTACTCCTTGTCATGCCTGCCA	TGGCAGGCATGACAAGGAGTACCA
86898	GGCACAGGTTCTCTTGACGCGCGG	CCGCGCTGCAAGAGAACCTGTGCC
86999	GAATCTGGGCATTGCTACGAGACC	GGTCTCGTAGCAATGCCAGATTG
87000	CGAAATGGGAGCGTCCACTACCAC	GTGGTAGTGGACGCTCCCATTTG
87101	ACATATGAGCTCGCGTGCTTGCAT	ATGCAAGCACGCGAGCTCATATGT
87202	TCGAGCACGGTCACTGATAAAGCC	GGCTTTATCAGTGACCGTGCTCGA
87303	GAGGGTCCCTGCTCAGAGTTGGTT	AACCAACTCTGAGCAGGGACCCTC
87404	AAATGCGATCGCCCTTATGGAAT	ATTCCATAAGGGGCGATCGCATTT
87505	CTACCCGAATGGATTGCGGATGGC	GCCATCCGCAATCCATTGCGGTAG
87606	AGGGACTGGCAGGTCTCTGCGCGT	ACGCGCAGAGACCTGCCAGTCCCT
87707	TAACGATCCATTCCACGAATGCAG	CTGCATTCTGGAATGGATCGTTA
87808	GGCCGCACGTACGATTACGCCTTG	CAAGGCGTAATCGTACGTGCGGCC
87909	TGGGGAATGCATCAGTTGTTGGCT	AGCCAACAACCTGATGCATTCCCA
88010	TATCTGGGAGTAGCAGGCAGGGCC	GGCCCTGCCTGCTACTCCAGATA
88111	CCGAAGGTTTCACGCTCAGGTCGC	GCGACCTGAGCGTGAAACCTTCGG
88212	GAACCCAGCTGGGACATCCTTCAG	CTGAAGGATGTCCCAGCTGGGTTC
88313	TGCATGCGAGCAAATAACCCGGAC	GTCCGGGTTATTTGCTCGCATGCA
88414	AATTGTCCGCCAAACGCTTTTCAG	CTGAAAAGCGTTTGCGGACAATT
88515	GTCGGCTTCGAGCGATCGAGTGTG	CACACTCGATCGCTCGAAGCCGAC
88616	TCGCGTGCTCTACGTAGCCCATGA	TCATGGGCTACGTAGAGCACGCGA
88717	GGCTTCCGCGATAACGTAATTCGC	GCGAATTACGTTATCGCGGAAGCC
88818	TGTAGCCGACTAGGGCCGAAGCCC	GGGCTTCGGCCCTAGTCGGCTACA
88919	AAGCGAACGCCCTGGCTGAATATT	AATATTACGCCAGGGCGTTTCGCTT
89020	TGTCACGCGACGTGCTGCAGATTT	AAATCTGCAGCACGTGCGGTGACA
89121	CCGTGTCCGTGTTGTCGACAGGCG	CGCCTGTCGACAACACGGACACGG
89222	CCCCACACGTTGCGCCTATATGTG	CACATATAGGCGCAACGTGTGGGG
89323	GGCGGGCACAACCTCAACACAGATG	CATCTGTGTTGAGTTGTGCCCCGCC
89424	CGACTGCGGGATCACCGGTGATTA	TAATCACCGGTGATCCCGCAGTCG
89525	TCGGGACATGACCGGTACGGAGTC	GACTCCGTACCGGTCATGTCCCGA
89626	TACCTCGAGTGGCCGTTGATCGGG	CCCGATCAACGGCCACTCGAGGTA
89727	TAATTCATGGGGCTAGCCGAACCA	TGGTTCGGCTAGCCCCATGAATTA
89828	ACACTCTAAGCCGATTCCGTTTCA	TCGAACGGAATCGGCTTAGAGTGT

899 ⁹²²	GTGGGCGTGAGTGACACGCACAAA	TTTGTGCGTGTCCTCACGCCCAC
900 ⁹²³	ACGACTCCTCGGGCAAAGTACGTA	TACGTACTTTGCCCCGAGGAGTCGT
901 ⁹²⁴	TGTGGTCATGGCGCTACTGTTTTTC	GAAAACAGTAGCGCCATGACCACA
902 ⁹²⁵	CTTTCGCTAGCCAGAGCGGGTTCC	GGAACCCGCTCTGGCTAGCGAAAG
903 ⁹²⁶	ACAGGGCGTGTTAGCGTGTGACAA	TTGTCACACGCTAACACGCCCTGT
904 ⁹²⁷	GGTACTTCCGGCGTATCGGGCCAC	GTGGCCCGATACGCCGGAAGTACC
905 ⁹²⁸	GTGGGTTTTGTTACCCCTTCTGGG	CCCAGAAGGGTGAACAAAACCCAC
906 ⁹²⁹	ACGCAATTCCGCATTACTTACCCG	CGGGTAAGTAATGCGGAATTGCGT
907 ⁹³⁰	CGCCTCGACTGCGGTCAAGCACAA	TTGTGCTTGACCGCAGTCGAGGCG
908 ⁹³¹	GTGAAATGGATCCAGAGAGGGCCA	TGGCCCTCTCTGGATCCATTTAC
909 ⁹³²	TATAAACGCTGCAGGGCTCCGTTA	TAACGGAGCCCTGCAGCGTTTATA
910 ⁹³³	GTTATTCAGGCGGCTTGTAACGGG	CCCGTTACAAGCCGCCTGAATAAC
911 ⁹³⁴	GGGTTCTAGCGTGCGCGTTTCAGTT	AACTGAACGCGCACGCTAGAACCC
912 ⁹³⁵	TTGGGCTCGAGCGGTACACCACTA	TAGTGGTGTACCGCTCGAGCCCAA
913 ⁹³⁶	CCGTCTTCAGGACAACGGTATGCG	CGCATACCGTTGTCCTGAAGACGG
914 ⁹³⁷	GGACCCCTTGACAGATTGCGGCAC	GTGCCGCAATCTGTCAAAGGGTCC
915 ⁹³⁸	TAAATTTTATCGCCAGGCGGCGCT	AGCGCCGCCTGGCGATAAAATTTA
916 ⁹³⁹	GCCGAACGCAAGATCGCTTGAAC	AGTTCAAGCGATCTTGCGTTCCGGC
917 ⁹⁴⁰	TAGGCCATTGGTGCCCTAAGACGG	CCGTCTTAGGGCACCAATGGCCTA
918 ⁹⁴¹	CAAACCACAGCTTACAGGCTGCGT	ACGCAGCCTGTAAGCTGTGGTTTG
919 ⁹⁴²	TAAACGGAGACTGGCACGGTAGCA	TGCTACCGTGCCAGTCTCCGTTTA
920 ⁹⁴³	TAGCGCGCATCACACTTGAATCG	CGATTCCAAGTGTGATGCGCGCTA
921 ⁹⁴⁴	TGCTGACACAAACGAGCCGTTTCG	CGAAACGGCTCGTTTGTGTGTCAGCA
922 ⁹⁴⁵	CGCTTAACGGCATTGACTGTCCAC	GTGGACAGTCAATGCCGTTAAGCG
923 ⁹⁴⁶	TTCCACGGCCGTGTATTACGGATA	TATCCGTAATACACGGCCGTGGAA
924 ⁹⁴⁷	TTTATGCCGTTGCCGAGGAAGACT	AGTCTTCCTCGGCAACGGCATAAA
925 ⁹⁴⁸	AGTGCCGAGATAGGGGACTGGGCG	CGCCCAGTCCCCTATCTCGGCACT
926 ⁹⁴⁹	CTAGTCTCCACGCCCTCGGGACGA	TCGTCCCGAGGGCGTGGAGACTAG
927 ⁹⁵⁰	CCGCCATTGGAAGATGGATGATG	CATCATCCATCTTCCGAATGGCGG
928 ⁹⁵¹	TGACGGTGAAAGTCGATTGCGAAG	CTTCGCAATCGACTTTCACCGTCA
929 ⁹⁵²	ATATGCGTCACCACCCGGTTCCGA	TCGGAACCGGGTGGTGACGCATAT
930 ⁹⁵³	CCATCAGTGAAGGGGTTGCTGCCA	TGGCAGCAACCCCTTCACTGATGG
931 ⁹⁵⁴	CATATGTGCTTGCTTGCGATGAC	GTCATCGCAAGCCAAGCACATATG
932 ⁹⁵⁵	TCTGCTTTGGAAGCCTGAACTGCT	AGCAGTTCAGGCTTCCAAAGCAGA
933 ⁹⁵⁶	CGATTTGGTCAAGAAGGCGGAAAT	ATTTCCGCCTTCTTGACCAAATCG
934 ⁹⁵⁷	ATCAGAGGCCTTCCCGCCTCGTTA	TAACGAGGCGGGAAGGCCTCTGAT
935 ⁹⁵⁸	ATTGTTGTGCTTGCCACATCGCAG	CTGCGATGTGGCAACGACAACAAT
936 ⁹⁵⁹	TGAAATGTGTCTGGACGCGAGTCT	AGACTCGCGTCCAGACACATTTCA
937 ⁹⁶⁰	GCGGGCGATGCTCCTTAAAGGGTA	TACCCTTTAAGGAGCATCGCCCGC
938 ⁹⁶¹	CCGCAATCTCCATGCGTCGACCGT	ACGGTCGACGCATGGAGATTGCGG
939 ⁹⁶²	TGCCGCGTAATCACCTGGAACCTG	CAAGTTCCAGGTGATTACGCGGCA

940/903	TTCCAGTAGCCAGCGGTAGTGTGA	TCACACTACCGCTGGCTACTGGAA
941/904	CTGAATTCCGCCTATTGTTCCGCA	TGCCGAACAATAGGCGGAATTCAG
942/905	GCTTGAACCTCGAGGCGATGTTCT	AGAACATCGCCTCGAGGTTCAAGC
943/906	CAAGCGTGGAAGTACGACCCGCCA	TGGCGGGTCGTA CTTCACGCTTG
944/907	GTGTGCACTGGATCCGAGCCCTAG	CTAGGGCTCGGATCCAGTGACAC
945/908	TCCCTGGGCTAGCATTGCGAGGTT	AACCTCGCAATGCTAGCCCAGGGA
946/909	AGAACCAAAGACGCTTGTGTTGCCG	CGGCAAACAAGCGTCTTTGGTTCT
947/910	CGTCACATGCAAACGTTCCCTCCC	GGGAGGGAACGTTTGCATGTGACG
948/911	TGACCGCATGTGTATTGAGTCGCT	AGCGACTCAATACACATGCGGTCA
949/912	GCGGGCCCAATGAGTATCCGTCAT	ATGACGGATACTCATTGGGCCCGC
950/913	TAGTGACTGTGAACGCCCTGTT	AACCAGGGGCGTTCCAGTCACTA
951/914	GGCACCGTCTGCCGCGCGTATATC	GATATACGCGCGGCAGACGGTGCC
952/915	TCGATGCAGTCTTTTTCCCGTCAA	TTGACGGGAAAAAGACTGCATCGA
953/916	ACCCCGTGGGGTTTTCGCCATTTTT	AAAAATGGCGAAACCCACGGGGT
954/917	CTACACGCGCAGTTGTGACTTGTG	CACAAGTCACA ACTGCGCGTGTAG
955/918	CGCAGCGACCTCATCTCTGGAGCC	GGCTCCAGAGATGAGGTCGCTGCG
956/919	CGACCCAGCACTCCTAAAATCGGT	ACCGATTTTAGGAGTGCTGGGTG
957/920	ACGCGCCGCTCATCACTACAATCT	AGATTGTAGTGATGAGCGGCGCGT
958/921	CGCAACTTCTGTGGCAAAGCCAG	CTGGCTTTGCCACAGGAAGTTGCG
959/922	TCGTTGGGCACATAAGGCAACTGA	TCAGTTGCCTTATGTGCCAACGA
960/923	CCGCTTGTAATTGCCATTCTCCGT	ACGGAGAATGGCAATTACAAGCGG
961/924	GTAACCAGGGAGTCCTGGGCTGTG	CACAGCCCAGGACTCCCTGGTTAC
962/925	AGCGCAAGATCTGGGGGCAGTCAC	GTGACTGCCCCCAGATCTTGCGCT
963/926	GCGTACATCTGCTCATCAGCATGG	CCATGCTGATGAGCAGATGTACGC
964/927	CCTCTGTGGCAGGAAAGAAACCGT	ACGGTTTCTTTCTGCCACAGAGG
965/928	CCTATGCAATGGACCTGCATCGGA	TCCGATGCAGGTCCATTGCATAGG
966/929	CTCGGTGGATGGCGAATAAGGATA	TATCCTTATTCGCCATCCACCGAG
967/930	CCTCACTCGTGATGGCGTGACGCA	TGCGTCACGCCATCACGAGTGAGG
968/931	TACGCTCACAGAACGCCATACGCC	GGCGTATGGCGTTCTGTGAGCGTA
969/932	CCGGAGAAGTTACGCGGATCGGAC	GTCCGATCCGCGTA ACTTCTCCGG
970/933	GCGCCCTCACTGCATTTTTGGTAT	ATACCAAAAATGCAGTGAGGGCGC
971/934	ACTTTCAGCACGCGAACAGCGCAA	TTGCGCTGTTCGCGTGCTGAAAGT
972/935	CTAAACGCCCTTGATGCATGAGCA	TGCTCATGCATCAAGGGCGTTTAG
973/936	GCTTGCCTTTTACGATCGTCGCTA	TAGCGACGATCGTAAAAGGCAAGC
974/937	CAGACATCGTACGCACTCGGCATC	GATGCCGAGTGCGTACGATGTCTG
975/938	TAGCCGCGCGGCTCCTATGCTCTT	AAGAGCATAGGAGCCGCGCGGCTA
976/939	GATGCCCTTTTGGTCCCCATGCCA	TGGCATGGGGACCAAAAGGGCATC
977/940	TGAGCTGCCTTGCCACGATGCCTC	GAGGCATCGTGGCAAGGCAGCTCA
978/941	CCGCCGTATACGTGCCATAGTTTG	CAA ACTATGGCACGTATACGGCGG
979/942	TAGTGCTCTCCGCGCTCATCCAAC	GTTGGATGAGCGCGGAGAGCACTA
980/943	CCCTAGATAAGTTGGGGTGGGACG	CGTCCCACCCCACTTATCTAGGG

981/004	TGAAGGGCCACCTGATATGGTTTC	GAAACCATATCAGGTGGCCCTTCA
982/005	GCCGCCTCCGACTGGTTAACCCGA	TCGGGTAAACCAGTCGGAGGCGGC
983/006	CGCACGGCTACTAACAGCGGATCA	TGATCCGCTGTTAGTAGCCGTGCG
984/007	CCGGACCAATTCCAACGAGCATCG	CGATGCTCGTTGGAATTGGTCCGG
985/008	CATTGAGGTCCACCGTTCACATCC	GGATGTGAACGGTGGACCTCAATG
986/009	AGGACGCAGCATGTCCCAGCCGAG	CTCGGCTGGGACATGCTGCGTCCT
987/010	TAATCGCGGGCCATACTACCAACG	CGTTGGTAGTATGGCCCCGCGATTA
988/011	CGCAAATTTCTCCGGTCGGCAAGC	GCTTGCCGACCGGAGAAATTTGCG
989/012	GTGGCTCGACTAATGCCTTGCGTG	CACGCAAGGCATTAGTCGAGCCAC
990/013	TGTGGGCGTGTTCGGCTCACTGT	ACAGTGAGCCGGAACACGCCACA
991/014	GTTCTTCTTTTCTGCGGTGGGAA	TTCCCACCGCAGAAAAGGAAGAAC
992/015	ACCTCGAGTCAGATTGTGCGCCTT	AAGGCGCACAATCTGACTCGAGGT
993/016	CAAGTGGACAGACGGTTTGTTCGG	CGGAACAAACCGTCTGTCCACTTG
994/017	TCCAGTTGAGTCGCGCCGACGAGG	CCTCGTCGGCGCGACTCAACTGGA
995/018	CGCAACAGGTCAGCCCTTATTTGC	GCAAATAAGGGCTGACCTGTTGCG
996/019	GCCGTGACTCCTGCAATGTCGGTA	TACCGACATTGCAGGAGTCACGGC
997/020	ATCAGCGCAAGCTGGTCTGAAACA	TGTTTCAGACCAGCTTGCGCTGAT
998/021	CCCTGGCCAGAACGAGAGGCCATG	CATGGCCTCTCGTTCTGGCCAGGG
999/022	ACGATCAAGGACTCGTCAGGGTTG	CAACCCTGACGAGTCCTTGATCGT
1000/023	TTCATGGCACCAAGACCACCGTTA	TAACGGTGGTCTTGTTGCCATGAA
1001/024	ACAGCAAGGAGATGGATTGCGACG	CGTCGCAATCCATCTCCTTGCTGT
1002/025	CGTAAATATCTGCGGCGGTGTGAA	TTACACCGCCGCAGATATTTACG
1003/026	GGAAACACGTGTTCTGTCTGTTGGC	GCCAACAGACGAACACGTGTTTCC
1004/027	CGATGTTAGGATTCCGATAGGCCA	TGGCCTATCCGAATCCTAACATCG
1005/028	ATCGGACAAGGACAAGTGGATGGT	ACCATCCACTTGTCTTGTCGGAT
1006/029	GCCCGGAGGACAAAGTTCGAGTTA	TAACTCGAACTTTGTCTCCGGGC
1007/030	AAATCCGACAAATGGGCACATGGA	TCCATGTGCCCATTTGTGCGATTT
1008/031	CAGTTAGGGGATGCGGATGAGTGA	TCACTCATCCGCATCCCCTAACTG
1009/032	CGGCAGGTGGAGATTCCGACATTG	CAATGTGCGAATCTCCACCTGCCG
1010/033	TAGGGCAGCCAGGTTCACTCATCT	AGATGAGTGAACCTGGCTGCCCTA
1011/034	GCACCGTATTAGCAGTAGGCACGC	GCGTGCCTACTGCTAATACGGTGC
1012/035	ACGCATTACAGGTGTGCGAAGGGA	TCCCTTCGCACACCTGTAATGCGT
1013/036	CGTGACTIONACGTGTTCCACAGGG	CCCTGTGGAACACGTGCAGTCACG
1014/037	GCTGAACTACCGCCTAAATCGCG	CGCGATTTTAGGCGGTAGTTCAGC
1015/038	AGCACGCCAGGGAGGATCGAGTTA	TAACTCGATCCTCCCTGGCGTGCT
1016/039	ATGAGGGCAAGGAATGGGTCATGC	GCATGACCCATTCTTGCCCTCAT
1017/040	GGGTCTCTCGTAATCAAAGGCCGA	TCGGCCTTTGATTACGAGAGACCC
1018/041	TATCTTGCGCAACGCCTCCATTTA	TAAATGGAGGCGTTGCGCAAGATA
1019/042	GGTTACACCTACGGAATCCAGCGG	CCGCTGGATTCCGTAGGTGTAACC
1020/043	ACACCGAGTTGGTCCGGTCAATAG	CTATTGACCGGACCAACTCGGTGT
1021/044	TCCCAGATTAAACGCTAGCCACCG	CGGTGGCTAGCGTTTAATCTGGGA

4022/045	TTGGTGAAACTGGCCCGTCGGAAG	CTCCGACGGGCCAGTTTCACCAA
4023/046	CCAGGGGAGTTGACAATGAGGCTG	CAGCCTCATTGTCAACTCCCCTGG
4024/047	TCTGCGTTATTGGACCGTTTGTGCG	CGACAAACGGTCCAATAACGCAGA
4025/048	TATGGGATGCTAAACCGGCGTACA	TGTACGCCGTTTAGCATCCCATA
4026/049	CACAGACGTCTGTGCGGCTTGTGT	ACACAAGCCCGACAGACGTCTGTG
4027/050	AGAATGCCGTTTCGCCTACTCCCGT	ACGGGAGTAGGCGAACGGCATTCT
4028/051	CGACGGATAATGCAGGCCTCATGA	TCATGAGGCCTGCATTATCCGTCG
4029/052	ACCCTCTAAAGCAATAGGTCGGCG	CGCCGACCTATTGCTTTAGAGGGT
4030/053	CACTCACGGCAGAAGCCTGCTTGT	ACAAGCAGGCTTCTGCCGTGAGTG
4031/054	ATCAGCCCACATATTCTCGGCCGT	ACGGCCGAGAATATGTGGGCTGAT
4032/055	CAAATCTGGGGTCGTCCTAAACGC	GCGTTTAGGACGACCCAGATTG
4033/056	TGTCGCCCATGGCAGGTTAAATAC	GTATTTAACCTGCCATGGGCGACA
4034/057	GGGGGCCCATCAATTCATTATCGA	TCGATAATGAATTGATGGGCCCC
4035/058	GTCGAGCAGCTTTAGTATCGCGGG	CCCGCGATACTAAAGCTGCTCGAC
4036/059	CCGCTAAGCACCGAAGGCTCACAA	TTGTGAGCCTTCGGTGCTTAGCGG
4037/060	TAGAATTAGCGAACGGTGATCCCG	CGGGATCACCGTTCGCTAATTCTA
4038/061	CACATGACATTTGGCAAAGGTCCA	TGGACCTTTGCCAAATGTCATGTG
4039/062	TCAACGCACTGGCGATGACTAGAT	ATCTAGTCATCGCCAGTGCGTTGA
4040/063	CGGGAAATGTCTTTAGCCGTCGAA	TTGACGGCTAAAGACATTTCCCG
4041/064	ATCAGAGCAAATCTGCAGCGGGGA	TCCCCGCTGCAGATTTGCTCTGAT
4042/065	GGCCTGTTTCTGTCCAACCTGGGCT	AGCCCAGTTGGACAGAAACAGGCC
4043/066	ATTTACCTCGCTGATCGCTTCCG	CGGAAGCGATCAGCGAGGTGAAAT
4044/067	AGTGACGCCGAGTCGCGAGGGTTA	TAACCCTCGCGACTCGGCGTCACT
4045/068	AGTTGTCTCATCCTGTCCGGGACC	GGTCCCGGACAGGATGAGACAACT
4046/069	CTTCTTTGTGCACACTTGCCAGGG	CCCTGGCAAGTGTGCACAAAGAAG
4047/070	CACCTCATCGGAGCATAGCAACCC	GGGTTGCTATGCTCCGATGAGGTG
4048/071	ATGCGATCCATGACAAGGGTTGCT	AGCAACCCTTGTCATGGATCGCAT
4049/072	CCCGTGGAGATGATGTGCGGCTTA	TAAGCCGCACATCATCTCCACGGG
4050/073	CCCAATAGACGCCACAGCCAGTGA	TCACTGGCTGTGGCGTCTATTGGG
4051/074	AACGACCACGACCCTCGCCGAGTA	TACTCGGCGAGGGTCGTGGTCGTT
4052/075	GGTGCTTTGTCTGAGGCGAGTGAA	TTCACTCGCCTCAGACAAAGCACC
4053/076	CTGTGCGCGCTGCTCTCCGAATTT	AAATTCGGAGAGCAGCGCCGACAG
4054/077	CTCGCCGGAGTGTTGTAAGCATTG	CAATGCTTACAACACTCCGGCGAG
4055/078	AGCAATCATGAGAGGTGGCCGGTG	CACCGGCCACCTCTCATGATTGCT
4056/079	ATTTGCCACCGGCGACAAAAAGAT	ATCTTTTGTGCGCCGGTGGCAAAT
4057/080	CCGCCCCTGTTGGCATGTCTTTTG	CAAAAGACATGCCAACACGGGCGG
4058/081	ATCGGAAGTGCTGACTGACACACG	CGTGTGTCAGTCAGCACTTCCGAT
4059/082	CCTCAGACCCTATCTGGGTTGACG	CGTCAACCCAGATAGGGTCTGAGG
4060/083	CTGTGTGGTCTGGTCCGGCTGTTC	GAACAGCCGGACCAGACCACACAG
4061/084	GTCCCCATTATCGGTGAGTGCAAC	GTTGCACTCACCGATAATGGGGAC
4062/085	ACAGGCACGTAAGTGCTCAATCGG	CCGATTGAGCACTTACGTGCCTGT

4063/086	AGCAAGATAGCGGGAGTGCCCCTA	TAGGGGCACTCCCGCTATCTTGCT
4064/087	GGTTTACGCCATGACATCCCGTCA	TGACGGGATGTCATGGCGTAAACC
4065/088	GTGCAGGCCCTTTGTGTGTGAATCG	CGATTCACACACAAAGGCCTGCAC
4066/089	CTTCGAGGGTAGGGCTTCGAAACG	CGTTTCGAAGCCCTACCCTCGAAG
4067/090	AGTCGACACTTGGGTTTACCACGG	CCGTGGTAAACCCAAGTGTCGACT
4068/091	ACATAAATCTCGCCCGCTGCACTC	GAGTGCAGCGGGCGAGATTTATGT
4069/092	GTTTGGTTTTCCACGGAGGTTTGA	TCAAACCTCCGTGAAAACCAAAC
4070/093	GCAGGAACCAGATTAGTGTCCCGG	CCGGGACACTAATCTGGTTCCTGC
4071/094	TTTGCTAGAGCGCGGAGCTAAAGC	GCTTTAGCTCCGCGCTCTAGCAAA
4072/095	CTATGTGGCATCGCTGACATGCTC	GAGCATGTCAGCGATGCCACATAG
4073/096	CCTAAGTCGGTTTGCAGCTGCTCT	AGAGCAGCTGCAAACCGACTTAGG
4074/097	GCGTTCGTCCACAGGAACGGAAGG	CCTTCCGTTCTGTGGACGAACGC
4075/098	TAACCCGCGCCCGAGAAATTGTCT	AGACAATTTCTCGGGCGCGGGTTA
4076/099	TATGGTGCTCAGAGCTGTTGCCAA	TTGGCAACAGCTCTGAGCACCATA
4077/100	TCATCGACCCACTAACGTCAGGGC	GCCCTGACGTTAGTGGGTCGATGA
4078/101	TGCTCAAGCTACGCGTCACTTCCC	GGGAAGTGACGCGTAGCTTGAGCA
4079/102	AGCGGGAAGGTCTGAGGAGGGAAA	TTCCCTCCTCAGACCTTCCCGCT
4080/103	CCGATGTAGCACCACCGCAGTGGC	GCCACTGCGGTGGTGCTACATCGG
4081/104	AAGTTCTGGGAATCACACGGCGCG	CGCGCCGTGTGATTCCAGAACTT
4082/105	CACCAGCCTTACGTGCGGCGTTAA	TTAACGCCGCACGTAAGGCTGGTG
4083/106	CGTTTCGCCTCCTCTTCCGAATGC	GCATTGGAAGAGGAGGCGAAACG
4084/107	GAGGAGGCCAATAGAGCAGCGCGC	GCGCGCTGCTCTATTGGCCTCCTC
4085/108	AGTAATCTTGCGGCACACAAGCGG	CCGCTTGTGTGCCGCAAGATTACT
4086/109	TGAGGACAAACCGCGCGTAGGATA	TATCCTACGCGCGGTTTGTCTCA
4087/110	TCGTAGAGACGCAGTGCCCATCTC	GAGATGGGCACTGCGTCTCTACGA
4088/111	CGAAGCTACACCCCGAGTGCGGTG	CACCGCACTCGGGGTGTAGCTTCG
4089/112	ATGATGTGATCTTCCCATGGCTGG	CCAGCCATGGGAAGATCACATCAT
4090/113	TGTACACGTATCGCGTTCGCTAG	CTAGGCGAACGCGATACGTGTACA
4091/114	GGTGTGCTTTTACGCATGTACGCA	TGCGTACATGCGTAAAAGCACACC
4092/115	AGGCGGGATACGTGGATGCTAGCC	GGCTAGCATCCACGTATCCCGCCT
4093/116	AAATTAGGCACAGCCCTCCACAG	CTGTGGGAGGGCTGTGCCTAATT
4094/117	ATAAGTTTGGTGAGCCATTGCGGA	TCGCGAATGGCTCACCAAACCTAT
4095/118	CCTATTTGCGCGGACCTCGATGCC	GGCATCGAGGTCCGCCGAAATAGG
4096/119	TTACCGGAATATGCACTTGGCCGC	GCGGCCAAGTGATATTCCGGTAA
4097/120	CCTCTCGGACGGTCCCTTTGATCG	CGATCAAAGGGACCGTCCGAGAGG
4098/121	CAAGCGAATGCTGTATTACGGCCT	AGGCCGTAATACAGCATTGCTTG
4099/122	GCATTTCCCATGCCAGAACGTTGA	TCAACGTTCTGGCATGGGAAATGC
4100/123	GTTTTGGCTAACCGTCCTGCCTTG	CAAGGCAGGACGGTTAGCCAAAC
4101/124	AGGTTTTGTCCGGGCGAATGATGT	ACATCATTCGCCCGGACAAAACCT
4102/125	ATGTCCACGAGTGCGTCCGATATC	GATATCGGACGCACTCGTGACAT
4103/126	AGACGCGTACGAGGGTTCTGCGCC	GGCGCAGAACCCTCGTACGCGTCT

4104/127	AATACCGTTCCCATCTGTGCGAGG	CCTCGCACAGATGGGAACGGTATT
4105/128	ACACAAGGTGCCTCATCGAATGGT	ACCATTTCGATGAGGCACCTTGTGT
4106/129	GCCGGCAAAATCCTACAAAATCCA	TGGATTTTGTAGGATTTTGCCGGC
4107/130	CTTATCCCATGTGCCGGTCTGACT	AGTCAGACCGGCACATGGGATAAG
4108/131	GCGGCCATAATGCATAGCACGGAA	TTCCGTGCTATGCATTATGGCCGC
4109/132	TACGGTGCATCGCAGTATGGGTAA	TTACCCATACTGCGATGCACCGTA
4110/133	CACCAGATGTGCGAGGATCATCGCC	GGCGATGATCCTCGACATCTGGTG
4111/134	GCTCCTACGCCCAAAGAGGTATGG	CCATACCTCTTTGGGCGTAGGAGC
4112/135	AGAATATGGGCAGCAGCAGCACTC	GAGTGCTGCTGCTGCCCATTCT
4113/136	CTGCAGTCGCACGCAGTAGACCCG	CGGGTCTACTGCGTGCGACTGCAG
4114/137	ATGTCCCTGACCGGAATCTTTCCA	TGGAAAGATTCCGGTCAGGGACAT
4115/138	TTCGCCACGAGGCATTAGTCCGAC	GTCGGACTAATGCCTCGTGGCGAA
4116/139	ACGTCGTTCCCGAGAATACGGTCT	AGACCGTATTCTCGGGAACGACGT
4117/140	ATCCGCTGGCGCTTTGACGAAGAA	TTCTTCGTCAAAGCGCCAGCGGAT
4118/141	TGAACCAAATTCTTACCGCGTGGA	TCCACGCGGTAAGAATTTGGTTCA
4119/142	CACGCGTAGGCTGGTGTGTCATT	GAATGACACACCAGCCTACGCGTG
4120/143	TCGATCCCGCGATCTGGCCTATTG	CAATAGGCCAGATCGCGGGATCGA
4121/144	GGAACACTCAACCACCGTGGATCT	AGATCCACGGTGGTTGAGTGTTC
4122/145	TCACACACCAACTGGCCACAGATG	CATCTGTGGCCAGTTGGTGTGTGA
4123/146	TGTGCTTAGGACACCAGGCAACCC	GGGTTGCCTGGTGTCTTAAGCACA
4124/147	GACATTTAACCCGACCGATTGTGC	GCACAATCGGTCGGGTAAATGTC
4125/149	GGCACCAGCCAGTAGGCCTCTGA	TCAGAGGCCTACTGGCTCGGTGCC
4126/150	CTCAAGCGTGCATGTTGGTAACCA	TGGTTACCAACATGCACGCTTGAG
4127/151	AGGAAGGCCACCATCCAATATTCG	CGAATATTGGATGGTGGCCTTCCT
4128/152	TACGAACGCCAAGGTTATGCCAAT	ATTGGCATAACCTTGGCGTTCGTA
4129/153	CGCACCAGAGTTATGCAGGCTCAA	TTGAGCCTGCATAACTCTGGTGCG
4130/154	CCAGCTTGGACGAGGAAGGATGTG	CACATCCTTCCTCGTCCAAGCTGG
4131/155	GTCACGCCTTTCAAATGACCCACA	TGTGGGTCATTTGAAAGGCGTGAC
4132/157	TGCTAGACCCAGCCCGAGTCTCGG	CCGAGACTCGGGCTGGGTCTAGCA
4133/158	TATTGTGGCACTTGGGTCCAGTGC	GCACTGGACCCAAGTGCCACAATA
4134/159	CACGTGTGAGACCGGAAGTGCATC	GATGCACTTCCGGTCTCACACGTG
4135/160	GGCAGCCTGATGCTACAGCACCGT	ACGGTGCTGTAGCATCAGGCTGCC
4136/161	CGGTCCGTCCATCCTCAGAGTTA	TAActCTGAAGGATGGACGGACCG
4137/162	CTATTCGCGGACCCTACGCAGTTT	AAACTGCGTAGGGTCCGCGAATAG
4138/163	ACCTGTGCAGTCAGCACGAGTGCG	CGCACTCGTGCTGACTGCACAGGT
4139/164	GAGAACCACAGGTGGTCCACCCTA	TAGGGTGGACCACCTGTGGTTCTC
4140/165	CCTCGCTAGAGAAATCCACGGGAT	ATCCCGTGGATTTCTCTAGCGAGG
4141/166	TAACATCGGTGCAAACCGTGGCGC	GCGCCACGGTTTGACCGATGTTA
4142/167	ACCCAGAAGACATGGCATTCGCCT	AGGCGAATGCCATGTCTTCTGGGT
4143/168	AAAAGCGCTGCTCTAACACCGCCG	CGGCGGTGTTAGAGCAGCGCTTTT
4144/169	CAAGTCTGTCCATTTCCCAACGGT	ACCGTTGGGAAATGGACAGACTTG

4145/170	CCGACACATGGTGGGCTTTTTAAG	CTTAAAAAGCCCACCATGTGTCCG
4146/171	ACAGACCAGCTTTTTGCGCAGATT	AATCTGCGCAAAAAGCTGGTCTGT
4147/173	CGGCGATCCATTTCACTTCAAAGT	ACTTTGAAGTGAAATGGATCGCCG
4148/174	GACGTTATCATGACACAGGTCGCG	CGCGACCTGTGTCATGATAACGTC
4149/175	GGCAGAGTTGGATCGGATCCTCAA	TTGAGGATCCGATCCAACCTCTGCC
4150/176	CCTCAATGCCACCGAATTCGGTAT	ATACCGAATTCGGTGGCATTGAGG
4151/177	GGAGTTAGCGTGATTAGTCGCCCA	TGGGCGACTAATCACGCTAACTCC
4152/178	GAACCTCGACGTGTCACGGAAGGGT	ACCCTTCCGTGACACGTCGAGTTC
4153/179	CACAAGCGACATTTCTGGTGACAG	CGTGACACCAGAAATGTCGCTTGTG
4154/180	CCAGAATGCGTGAATTCGCGTCCT	AGGACGCGAATTCACGCATTCTGG
4155/181	CAAGGGAGCCCTGCGAATTAGAGT	ACTCTAATTCGAGGGCTCCCTTG
4156/182	ATTCTTGCTTCGACGACTAGCCG	CGGCTAGTCGTCCGAAGCAAGAAT
4157/183	TGCCACTTTGATTTCCAGATTGCC	GGCAATCTGGAAATCAAAGTGGCA
4158/184	GATGGTCGGCAGATAAGTGGTGGG	CCCACCACTTATCTGCCGACCATC
4159/185	GTTACACGGGTTGACCAACATGT	ACATGTTGGTCAACCCGTGTGAAC
4160/186	GATTCAATTGCCCCATTCCTGCAT	ATGCAGGAATGGGGCAATTGAATC
4161/187	TACCGGAAACTGAGCCTCGTGCTA	TAGCACGAGGCTCAGTTTCCGGTA
4162/188	GGATCTTTACTCAGGGGCAGAGCC	GGCTCTGCCCTGAGTAAAGATCC
4163/189	CGCGAGTGCTTTGTTCTGTGTGGA	TCCACACAGAACAAGCACTCGCG
4164/190	GTCGTCGCGATGGCGTACATCCTT	AAGGATGTACGCCATCGCGACGAC
4165/191	ACGGGAATCTCCCGAAGTGCGAGC	GCTCGCACTTCGGGAGATTCCCGT
4166/192	GGTCGAAATGAGCCAGCAGCAGAT	ATCTGCTGCTGGCTCATTTGACC
4167/193	CCATTGGAATACTGCGTGCGGCTT	AAGCCGCACGCAGTATTCCAATGG
4168/194	GGAAGACTTCGCGAGGGCACAATG	CATTGTGCCCTCGCGAAGTCTTCC
4169/195	AGGGTGACTTCGAAGGTCCGAACT	AGTTCGGACCTTCGAAGTCACCCT
4170/196	TCGTCCCTCTGGTGGTCAATCAC	GTGATTCGACCACCAGAGGGACGA
4171/197	TGTGCAAATTATGCTGGGCGTGAG	CTCACGCCCAGCATAATTTGCACA
4172/198	GTCGCCAACTGTCATGTGTGCCCA	TGGGCACACATGACAGTTGGCGAC
4173/199	CCTCGAACCCTCAAGACGAAACGA	TCGTTTCGTCTTGAGGGTTCGAGG
4174/200	CTTCATCACGTGACCTTTGTTGCC	GGCAACAAAGGTCACGTGATGAAG
4175/201	CCTTCATTCCCAGCAGGATGGCTT	AAGCCATCCTGCTGGGAATGAAGG
4176/202	CGGGGACCTCAATGGAGCGTCTTA	TAAGACGCTCCATTGAGGTCCCCG
4177/203	CGCCTCTAGCGCTTGTTACGTCGA	TCGACGTAACAAGCGCTAGAGGCG
4178/205	CTGCCAGACTCAAAACAGGGACGG	CCGTCCCTGTTTTGAGTCTGGCAG
4179/206	CTCCTTACACCGTGTGAGGGAACC	GGTTCCTCACACGGTGTAAAGGAG
4180/207	TTTCATGCCATATCGCCTCGCGCA	TGCGCGAGGCGATATGGCATGAAA
4181/208	GTCTGACTGTCTGCCCTGTATGCG	CGCATAAGGGCAGACAGTCAGAC
4182/209	GGTTAATGGAACGGCGTTAACGCG	CGCGTTAACGCCGTTCCATTAACC
4183/210	CTTCGCACTGCGGAATCTCAAGCT	AGCTTGAGATTCCGCAAGTGCAGG
4184/211	TGCCAGAGGCGTAGGAGTCCTGGA	TCCAGGACTCCTACGCCTCTGGCA
4185/213	GACGGGCGAGCCAGTATTAAGTCA	TGAGTTAATACTGGCTCGCCCGTC

4186/214	GACCTCCAAAGTCAGTCTTGGCGG	CCGCCAAGACTGACTTTGGAGGTC
4187/215	CGTTAGAGCATGACCGAACACGTC	GACGTGTTCCGGTCATGCTCTAACG
4188/216	GTGGGGCTCAAAAATTGGGTACGCC	GGCGTACCCAATTTTTGAGCCAC
4189/217	GGGGCAGAGATCACGCGTTCCTCT	AGAGGAACGCGTGATCTCTGCCCC
4190/218	TTTCGCCCTACGAAGCGAAGTTTC	GAAACTTCGCTTCGTAGGGCGAAA
4191/219	TACGGGGTGATGTAAAGCTACGCG	CGCGTAGCTTAACATCACCCCGTA
4192/220	CCTGTGAGTCTGAGATCGCCGTGT	ACACGGCGATCTCAGACTCACAGG
4193/221	ACTGAAGCTGGAACAGGCCATTCTG	CGAATGGCCTGTTCCAGCTTCAGT
4194/222	AGCACTGGTTCACATGGGAGTCCA	TGGACTCCCATGTGAACCAAGTGCT
4195/223	TAAGGAAGATCACACTCCCTGCGC	GCGCAGGGAGTGTGATCTTCCTTA
4196/224	CACCACACGCTAAAATTGAAGCCG	CGGCTTCAATTTTAGCGTGTGGTG
4197/225	GCTGTCGCCAGGATCATGTATCGT	ACGATACATGATCCTGGCGACAGC
4198/226	TTCGTTCTGTCACCTGGATTCTTGA	TCAAGAATCCAGTGACGAACGAA
4199/227	TCAGCTCTCCTTGTGCTTGCAGTG	CACTGCAAGCACAAGGAGAGCTGA
4200/228	ACGACGAGGTGAACTTCGTGGGAA	TTCCACGAAGTTCACCTCGTCGT
4201/229	AGCATTGCCGCGGGCCTTGTTTA	TAAACCAAGGCCCGCGGCAATGCT
4202/230	CAGAGGGCAGATGTGACTCCTCAA	TTGAGGAGTCACATCTGCCCTCTG
4203/231	CGATATTTACGCTCTCAAACGCG	CGCGTTTGAGAGGCTGAAATATCG
4204/232	TGCCAGAAATGTTGCCGATTGAA	TTCAATCGGCAACATTTCTGGCA
4205/233	TAGGCCACCCGGTGTTACAATTC	GAATTGTGAACACCGGGTGGCCTA
4206/234	GAGAGTCAGACCGAGGGACACGAG	CTCGTGTCCCTCGGTCTGACTCTC
4207/235	GAGGCGATCCTGGAACACGCAAC	GTTGCGTGGTTCAGGATCGCCTC
4208/236	CCAGAGAGGCGGGCTACTGACTCA	TGAGTCAGTAGCCCGCCTCTCTGG
4209/237	CACACAGTCCCATCGTACGGCAGT	ACTGCCGTACGATGGGACTGTGTG
4210/238	TTACGTTGCGGAAGCGTGCTCTA	TAGAGGCACGCTTCCGCAACGTAA
4211/239	ATGTACACGCTGCAATCGTGTCCC	GGGACACGATTGCAGCGTGATCAT
4212/240	ACTCGTCGTCGGAAGCGCCAGGT	ACCTGGGCGCTTCCGACGACGAGT
4213/241	ATGCGAGAGCAGAATTGAGCCGGT	ACCGGCTCAATTCTGCTCTCGCAT
4214/242	AAGTTGGTTCGTATTCACGCGTGC	GCACGCGTGAATACGAACCAACTT
4215/243	TGGGCTTATCGCCGAAGATTGCTA	TAGCAATCTTCGGCGATAAGCCCA
4216/244	CAACGGCGAAGACCCAGAATTTTA	TAAAATTCTGGGTCTTCGCCGTTG
4217/245	AGCGTACGGCGAAAGTCTAGGGAC	GTCCCTAGACTTTCCGCCGTACGCT
4218/246	ATGCATCCAGCGTCCCCTTGATTA	TAATCAAGGGGACGCTGGATGCAT
4219/247	ACCGTCATCAGTCGCAGGCTTCTG	CAGAAGCCTGCGACTGATGACGGT
4220/248	TCTTGACGGCTGGGCATGATTGGA	TCCAATCATGCCAGCCGTCAAGA
4221/249	TTAACATTCGGACCCAGGACCTGG	CCAGGTCCTGGGTCCGAATGTAA
4222/250	TGGTGTGCAACTCCCTTGCGTGTT	AACACGCAAGGGAGTTCGACACCA
4223/251	TACTCCAGTCGCCTGCGCGCAAAC	GTTTGCGCGCAGGCGACTGGAGTA
4224/252	CGCAATGCCGTAAGCATGCCAAGC	GCTTGGCATGCTTACGGCATTGCG
4225/253	AGTCCGCGCGAAATACGAACAGTA	TACTGTTCTGATTTTCGCGCGGACT
4226/254	ATGTTGCACGCGCACTGTATCACA	TGTGATACAGTGCGCGTGCAACAT

4227/1250	ATCGCCTAACTACCCGCGGGCGTGC	GCACGCCGCGGGTAGTTAGGCGAT
4228/1251	TGGCCAGGGAACACAAGCTCGGTA	TACCGAGCTTGTGTTCCCTGGCCA
4229/1252	AAACATGGGTGCGTCTGAGATCA	TGATCTCAGACGCGACCCATGTTT
4230/1253	GCGAGAGCTGCGATTCCCTTTTAG	CTAAAAGGGAATCGCAGCTCTCGC
4231/1254	CCGGCCAAACAAGAGACGAGCGGA	TCCGCTCGTCTCTTGTGTTGGCCGG
4232/1255	AATGGGGCACAGTCTCGCTTGACA	TGTCAAGCGAGACTGTGCCCCATT
4233/1256	TGTCTCGGGCCTTCAGGACACACT	AGTGTGTCTGAAGGCCCCGAGACA
4234/1257	TCCACCTTCATTAAGTGGTTCGGC	GCCGAACCACTTAATGAAGGTGGA
4235/1258	GCTTCGGAATCATCCACCTGTCTAT	ATGACAGGTGGATGATTCCGAAGC
4236/1259	GAGCCGATGGGCTATCGTCGTCGG	CCGACGACGATAGCCCATCGGCTC
4237/1260	CACGAATTACGCACGCACAGAGGA	TCCTCTGTGCGTGCCTAATTCGTG
4238/1261	GCTGTGACGCTCCCCTCACTAGG	CCTAGTTGAGGGGAGCGTCACAGC
4239/1262	CGCTCTGAAAACGCGGGCTACGTT	AACGTAGCCCGCGTTTTTCAGAGCG
4240/1263	GAGTGCTGGACACCGTAGCCAGGA	TCCTGGCTACGGTGTCCAGCACTC
4241/1264	CCAACCCCAAGTGTAGGCGCAAATG	CATTTGCGCCTACACTGGGGTTGG
4242/1265	GAAGTAGGGGATGTTGGCCGGCGG	CCGCCGGCCAACATCCCCTACTTC
4243/1266	CAACGTGGGCACCTGTTTTAGCAG	CTGCTAAACAGGTGCCACGTTG
4244/1267	CTAGCTGCGATCCGAACCTCTACG	CGTAGAGGTTCCGATCGCAGCTAG
4245/1268	CATTGAACCATCAGCCAAGCTGCG	CGCAGCTTGGCTGATGGTTCAATG
4246/1269	AGACTGGCAATTTTTTCGAGGCCAA	TTGGCCTCGAAAAATTGCCAGTCT
4247/1270	CTGGCCGTCCATGAGTTGGTCCAG	CTGGACCAACTCATGGACGGCCAG
4248/1271	CATGCTGAAACACGGGATTGCCAT	ATGGCAATCCCGTGTTTCAGCATG
4249/1272	CGATATGTAAGACAGCCGTCGCAA	TTGCGACGGCTGTCTTACATATCG
4250/1273	AGCGTAACCTACTGGGAAGGCACC	GGTGCCCTCCAGTAGGTTACGCT
4251/1274	GTTTCGAACCCCGCGATGTTAAATG	CATTTAACATCGCGGGGTTTCGAAC
4252/1275	GTTGTTAGGAGGCTCGAGGCTGCT	AGCAGCCTCGAGCCTCCTAACAAC
4253/1276	ACTGGTGCTACGCGGGATATTTGA	TCAAATATCCCGCGTAGCACCAGT
4254/1277	CTGGGAGCTATCCTCAGCCGAATC	GATTCGGCTGAGGATAGCTCCAG
4255/1278	GAACCTCGCCGCTGCCGAAGGGTAG	CTACCCTTCGGCAGCGGCGAGTTC
4256/1279	TTCGATCGAGGAGCAAGGAGAGTC	GACTCTCCTTGCTCCTCGATCGAA
4257/1280	GGGGAAAATTGAGGCCTTAGCCAT	ATGGCTAAGGCCTCAATTTTCCCC
4258/1281	CTAAGGTCAAAGCGCTGTCGCCAG	CTGGCGACAGCGCTTTGACCTTAG
4259/1282	CCGTAGCGGTGCTCGACCAGGTTT	GAACCTGGTCGAGCACCCTACGG
4260/1283	TGGGGACGAATCCGAATGTAGTGA	TCACTACATTCCGATTCTGCCCCA
4261/1284	GTCATGTAATTGCATCCCACGGGT	ACCCGTGGGATGCAATTACATGAC
4262/1285	CTTTGCGCGGTGGTCAATAAAAAG	CTTTTTATTGACCACCGCGCAAAG
4263/1286	CTCGGGGATGCCCTCTTGGCATT	TAATGCCAAGAGGGCATCCCCGAG
4264/1287	CGAAACGTGGTGCAGAAACCTGAA	TTCAGGTTTCTGCACCACGTTTCG
4265/1288	GGAGTTCACGAGTCGAGCAGTCGC	GCGACTGCTCGACTCGTGAACCTC
4266/1289	AGCCGTTTTCAAAGATCTCGACGA	TCGTGAGATCTTTGAAAACGGCT
4267/1290	TGGCTGGACATTGTCTGCAATGCA	TGCATTGCAGACAATGTCCAGCCA

4268/300	ATCGGCTGCCTCAGTCCCTAATTT	AAATTAGGGACTGAGGCAGCCGAT
4269/301	CCAGCATGGAGTTAAGTGAGCGCG	CGCGCTCACTTAACTCCATGCTGG
4270/302	TTCATATTTACGAATGCCGGGTGC	GCACCCGGCATTTCGTAAATATGAA
4271/303	CGAAATCGCACAGGAATTCGCGTC	GACGCGAATTCCTGTGCGATTTCCG
4272/304	GGCAATTTTCGGGACACTCGTTTCA	TGAAACGAGTGTCCCGAAATTGCC
4273/305	TTTGTGATTGGGGGTATAACCCGA	TCGGGTTATACCCCCAATCACAAA
4274/306	CCCAGCTAATCCAGCTTGGGCTGT	ACAGCCCAAGCTGGATTAGCTGGG
4275/307	AAAATCGTTTGGCTGTAACGTCGC	GCGACGTTACAGCCAAACGATTTT
4276/308	AGGAGATTCATCGACTTCCGGGAA	TTCCCGGAAGTCGATGAATCTCCT
4277/309	GCACGGGGTCTCAATGCTTAGGGT	ACCCTAAGCATTGAGACCCCGTGC
4278/310	GCGCAACAAGTAGCCTACCGAGGC	GCCTCGGTAGGCTACTTGTTCGCG
4279/311	TAGCAGGCTGATGCCGTCTACACA	TGTGTAGACGGCATCAGCCTGCTA
4280/312	GCAAGCGGCGATCGTACAACCTTGT	ACAAGTTGTACGATCGCCGCTTGC
4281/313	GCACCTCTGGTAAGCCTGAAAGGG	CCCTTTCAGGCTTACCAGAGGTGC
4282/314	CGAGGGCGGTGAGTGCATACCGTG	CACGGTATGCACTACCGCCCTCG
4283/315	GGATTAACCGGAAGTGCCTTCTG	CAGAAGGGCAGTTCCGGTTAATCC
4284/316	GATATTGGGTCCGGCGCGCATTAC	GTAATGCGCGCCGGACCCAATATC
4285/317	GGCCTTTAATCTCCGGTCGCAATG	CATTGCGACCGGAGATTAAAGGCC
4286/318	AACCTTAGTGCGGCTAGGTGGGGT	ACCCACCTAGCCGCACTAAGGTT
4287/319	CACGCTGACGCCAGTGTGGTGAGG	CCTCACCACACTGGCGTCAGCGTG
4288/320	GGTTCCCTTGACCCACCGAATTGA	TCAATTCGGTGGGTCAAGGGAACC
4289/321	TTCTGACAACATCGACCCTGGCTC	GAGCCAGGGTCGATGTTGTCAGAA
4290/322	GCGAGCGAAGATAATCCCCAACT	AGTTTGGGGATTATCTTCGCTCGC
4291/323	GTA CTCTGTGCAACGGTCCCGAGT	ACTCGGGACCGTTGCACAGAGTAC
4292/324	ACACGCCAGGAACAGTGTCTGTGA	TCACAGACACTGTTTCTGGCGTGT
4293/325	AAGGGAATTTAGCGCGCGTGACTT	AAGTCACGCGCGCTAAATTCCTT
4294/326	TGACGTACGCGTTTTAAGTGGGGA	TCCCCACTTAAAACGCGTACGTCA
4295/327	CTTAGAGGGACGAGGCCATGAATG	CATTCATGGCCTCGTCCCTCTAAG
4296/328	GGACGACTCCGCAAAAAAGGTCGT	ACGACCTTTTTTTCGGAGTCGTCC
4297/329	TCAATCCCAACATCCAAAGCCTCA	TGAGGCTTTGGATGTTGGGATTGA
4298/330	GCACTGGTCTACCAAGCTTGTCCC	GGGACAAGCTTGGTAGACCAGTGC
4299/331	ACTTGTTCGGAAACGAGACCGAGCA	TGCTCGGTCTCGTTTCCGACAAGT
4300/332	TCAGGAAAGGCCTAAAGGCGAAAG	CTTTCGCCTTTAGGCCTTTCCTGA
4301/333	GGAATGTAGTCAAGGAGGACGGGG	CCCCGTCCTCCTTGACTACATTCC
4302/334	GCACGTGGTAAATGAATTGGCGAG	CTCGCCAATTCATTTACCACGTGC
4303/335	GATCATCAGGGGTATGCGTCGCG	CGCGACGCATAACCCCTGATGATC
4304/336	CTCACTCATTCTGATTGCCCGCGG	CCGCGGGCAATCAGAATGAGTGAG
4305/337	GGGGTGATCTCTCGAACGTCACCC	GGGTGACGTTTCGAGAGATCACCCC
4306/338	AAGGTTGCTGCTAGCGTACCTCGA	TCGAGGTACGCTAGCAGCAACCTT
4307/339	TATAGATCGCCCAACAGGCAGGAG	CTCCTGCCTGTTGGGCGATCTATA
4308/340	GTTTGGACCTGTTGGGAGTGGGCA	TGCCCACTCCCAACAGGTCCAAAC

1309/341	ATTGGGGAAAACCCGGTCTCAAGG	CCTTGAGACCGGGTTTTCCCAAT
1310/342	TCGACGATAAAGTGCTCACGGGAC	GTCCCGTGAGCACTTTATCGTCGA
1311/343	CGATAGAATTCAATGCAGGGCGGA	TCCGCCCTGCATTGAATTCTATCG
1312/344	CGGTTCGCTACGGCGGCTGGTTTC	GAAACCAGCCGCCGTAGCGAACCG
1313/345	CCAGGTTTCGGTTAGTCGCGCTAG	CTAGCGCGACTAACCGAAACCTGG
1314/346	ACGACCTTACACTCGGATCCGACG	CGTCGGATCCGAGTGTAAGGTCGT
1315/347	TCGCGTTAAATGACCAAGGGGCC	GGCCCCTTGGTCCATTTAACGCGA
1316/348	CCAGAAAGAAAATGGCGCCCGGAT	ATCCGGGCGCCATTTTCTTTCTGG
1317/349	GATACATCGCCGCCTGCTAGGCAC	GTGCCTAGCAGGCGGCGATGTATC
1318/350	GAGATCACACTCGGAAACCGGATG	CATCCGGTTTCCGAGTGTGATCTC
1319/351	ACTTCGCGGAAAAAGGCTGGCATT	AATGCCAGCCTTTTTCCGCGAAGT
1320/352	CCGAGCTGCACGAGCACACAAAGT	ACTTTGTGTGCTCGTGACGCTCGG
1321/353	TTCCACAAGGCGGCATAGTGAGGC	GCCTCACTATGCCGCCTTGTGGAA
1322/354	AGCAAACCTGGAATCCGGAACCAAC	GGTTTTTCCGGATTCCAGTTTGCT
1323/355	CGCTATGTGCGCAGCATGCATTTAC	GTAAATGCATGCTGCGACATAGCG
1324/356	AGTCACGCCCAACGTCGGTTCTTT	AAAGAACCGACGTTGGGCGTGACT
1325/357	AGTGGGCGCACTTGGCCTTAAATA	TATTTAAGGCCAAGTGCGCCCACT
1326/358	ACTTGCAACTTCGGCCGTTTGACT	AGTCAAACGGCCGAAGTTGCAAGT
1327/359	CAAACATCAGGTTTCATGCCGTACG	CGTACGGCATGAACCTGATGTTTG
1328/360	AGCGTGACCACCCTACAATGGCAA	TTGCCATTGTAGGGTGGTCACGCT
1329/361	GCAGGCATCCGGCAGAGATGTCTC	GAGACATCTCTGCCGGATGCCTGC
1330/362	GAGCGGCTAAGAGGCCAGACCAAA	TTTGGTCTGGCCTCTTAGCCGCTC
1331/363	CACAGAACAGGGTGTTTCCCGCTA	TAGCGGGAAACACCCTGTTCTGTG
1332/364	ACTTTGCAGAAGGCCCAACACAAG	CTTGTGTTGGGCCTTCTGCAAAGT
1333/365	CCTTCCTGGTACTTTGTGGGCGAC	GTCGCCACAAAGTACCAGGAAGG
1334/366	CTACATGCTCACCCACAGAGTG	CACTCTGGTGGGGTGAGCATGTAG
1335/367	ATTTTCAGAATAGCCCCGCCTCGA	TCGAGGCGGGGCTATTCTGAAAAT
1336/368	CAATTGCTACGTTGACGCCCTCTG	CAGAGGGCGTCAACGTAGCAATTG
1337/369	CTGTCGCCTAATCCTCGGTGGCCG	CGGCCACCGAGGATTAGGCGACAG
1338/370	TTTGTGTTGGCTCCGTACATTGGA	TCCAATGTACGGAGCCAACACAAA
1339/371	ACGTGACGGGAAGGTGGTTGAATC	GATTCAACCACCTTCCCGTCACGT
1340/372	AGTTCTTGCGTTGCACGAAACAGA	TCTGTTTTCGTGCAACGCAAGAACT
1341/373	GCTCGCCGCGCGTCTTTATGTCTG	CAGACATAAAGACGCGCGGCGAGC
1342/374	ATGAACATCGCGAGGCAAGCCTTT	AAAGGCTTGCCTCGCGATGTTTAT
1343/375	CAACCGCGCCACCAACATTAAGG	CCTTAATGTTGGTGGGCGCGGTTG
1344/376	TGATCGAGGACGGCTTGGTAGCCT	AGGCTACCAAGCCGTCCTCGATCA
1345/377	GGAGGCATGCCTTCCGAGAGCAAC	GTTGCTCTCGGAAGGCATGCCTCC
1346/378	CACCGATCCTCAACGCAATTGCTA	TAGCAATTGCGTTGAGGATCGGTG
1347/379	GGCCATGAATTGGGAAATCCATGT	ACATGGATTTCCCAATTCATGGCC
1348/380	CTGTTCCAGGCGTAACCAGCGGGC	GCCCGCTGGTTACGCCTGGAACAG
1349/381	TATGTCTGGCTCGCCATCAGAAGA	TCTTCTGATGGCGAGCCAGACATA

1350/382	GGAGTGACCAGCACAAAGCATCGAG	CTCGATGCTTGTGCTGGTCACTCC
1351/383	TCGGACTGGAAGTAACTCGCATGA	TCATGCGAGTTACTTCCAGTCCGA
1352/384	GTAGGGTCAAGCACGATTGAAGCC	GGCTTCAATCGTGCTTGACCCTAC
1353/385	CACCGGCGGTTTCGACTAACGTGAC	GTCACGTTAGTCGAACCGCCGGTG
1354/386	GAATGACGCGCAGTGCATTTGAAC	GTTCAAATGCACTGCGCGTCATTC
1355/387	GTGCTCGTCTAACCGCGGATAGAG	CTCTATCCGCGGTTAGACGAGCAC
1356/388	GCGGACCTGGGTTAATTGACGCGC	GCGCGTCAATTAACCCAGGTCCGC
1357/389	TTTTTGATGTTGCGCACCGGGCTA	TAGCCCGGTGCGCAACATCAAAAA
1358/390	TTGCGTCAGCGCATCTGCTCGATT	AATCGAGCAGATGCGCTGACGCAA
1359/391	ATGAGCACGCCAGTTCGTTCTTTT	AAAGGAACGAACTGGCGTGCTCAT
1360/392	TCAACGGTAAAGAATCGCCCCGCA	TGCGGGGCGATTCTTTACCGTTGA
1361/393	CGCGATTGACTGAACCACACCTCT	AGAGGTGTGGTTCAGTCAATCGCG
1362/394	GCGTGAAAGATGACGGCCGGTATA	TATACCGGCCGTCATCTTTCACGC
1363/395	CATGATTCCACCTCGATCGGCTAG	CTAGCCGATCGAGGTGGAATCATG
1364/396	CTACGACAAAGCAACCGTGCAAAA	TTTTGCACGGTTGCTTTGTCGTAG
1365/397	ATGCCGTGTTTCATCTTGATGGTCC	GGACCATCAAGATGAACACGGCAT
1366/398	TTCGTGGAGGGACTTTGGAGATCC	GGATCTCCAAAGTCCCTCCACGAA
1367/399	GAAGCGCCGTAACGTACACCGTCG	CGACGGTGTACGTTACGGCGCTTC
1368/400	AGCGTGCGCTTGGCTATAAGGCTA	TAGCCTTATAGCCAAGCGCACGCT
1369/401	ACAGTCAGGAGTAACGCCGCTCAA	TTGAGCGGCGTTACTCCTGACTGT
1370/402	TTTAGCCGCTGCGACTGTAGGAAA	TTTCTACAGTCGCAGCGGCTAAA
1371/403	ACTGTGTCGCAATCAACCCGCAAA	TTTGCGGGTTGATTGCGACACAGT
1372/404	TGCAGCCAATGCGGAACTTAGAGG	CCTCTAAGTTCCGCATTGGCTGCA
1373/405	CCCGCTATCCCGGTCTTGACAGTTC	GAACTGCAAGACCGGGATAGCGGG
1374/406	GAGGGCGCAACATATGCAGTGCTG	CAGCACTGCATATGTTGCGCCCTC
1375/407	CGTACGGACATCGATGACGCAACG	CGTTGCGTCATCGATGTCCGTACG
1376/408	AGTCTCCCGAGAAACGCATAAGGC	GCCTTATGCGTTTCTCGGGAGACT
1377/409	AGGAAGTGGATGAACGCGGCTGCA	TGCAGCCGCGTTCATCCACTTCCT
1378/410	GGGTTGCTCACCTCGTCATCAGG	CCTGATGACGAGGGTGAGCAACCC
1379/411	TAGGAATGCGAGTTCCGGCGGTAA	TTACCGCCGGAACTCGCATTCTTA
1380/412	CTCCTCACTTCCAAGCTGCGGATA	TATCCGCAGCTTGGAAGTGAGGAG
1381/413	TCAATAGCACCTAGCATGCTCCCG	CGGGAGCATGCTAGGTGCTATTGA
1382/414	TGATTCTGCGCTTTCACAGGTCG	CGACCTGTGAAAGCGCAGGAATCA
1383/415	GTATGTGCGGGATGGAAATCACGC	GCGTGATTTCATCCCGCACATAC
1384/416	TACGGCAACTGTCGATACGAGGGC	GCCCTCGTATCGACAGTTGCCGTA
1385/417	GGTTCCCTATCCAGCACTCCTCGC	GCGAGGAGTGCTGGATAGGGAACC
1386/418	ATAAGCGCGCCACAGGTATGTACC	GGTACATACCTGTGGCGCGCTTAT
1387/419	GAAAGTCGCCAACAGACTCGAGCA	TGCTCGAGTCTGTTGGCGACTTTC
1388/420	CGCTAATGCCTCATAGGCGTGTGC	GCACACGCCTATGAGGCATTAGCG
1389/421	ATCCCCGCCGCACGAAGTACCAAG	CTTGGTACTTCGTGCGGCGGGGAT
1390/422	GACGCTGCTGATGGCTTTATCGAT	ATCGATAAAGCCATCAGCAGCGTC

1391/423	CTCTCCCCGTCGCTTCAGAGATTA	TAATCTCTGAAGCGACGGGGAGAG
1392/424	TCATGTGGGCCGTCGTATCAGTTT	AAACTGATACGACGGCCACATGA
1393/425	GGCCTGAAGGTGAATGGTTACGTG	CACGTAACCATTCACCTTCAGGCC
1394/426	AGCCTCCAAAGCCGGTAGAGTTCC	GGAAGTCTACCGGCTTTGGAGGCT
1395/427	TTGTCGTAGGCGCTCACCTTAGGA	TCCTAAGGTGAGCGCCTACGACAA
1396/428	GCCTGAGTCCGGGTTCGGGAAAGAA	TTCTTTCCCGACCCGGACTCAGGC
1397/429	GGCACTATACCGGTTCTGGACGCG	CGCGTCCAGAACCAGGTATAGTGCC
1398/430	CCGTGTATACGGAAAGGTACGCCA	TGGCGTACCTTTCCGTATACACGG
1399/431	CCCAAGGCAAGTGTGCATCAGTCC	GGAAGTATGCACACTTGCCCTGGG
1400/432	GGAGTGCATCATGGCCAAATCTGG	CCAGATTTGGCCATGATGCACTCC
1401/433	CCATGTTACGTCTGCGCACCACAG	CTGTGGTGCGCAGACGTAACATGG
1402/434	GGCGTTGAGCTTAAAGCAGCGAC	GTCGCTGCTTTTAAGCTCAACGCC
1403/435	TTGGCACTCTGCAAGATACGTGGG	CCCACGTATCTTGCAAGTGGCCAA
1404/436	GATCTGCACTGCAAGTCTTGGGG	CCCCAAGACCTTGCAAGTGGCCAA
1405/437	CGATCAACTTGCGGCCATTCTCTGC	GCAGGAATGGCCGCAAGTTGATCG
1406/438	CGGCTGGGGTACAGAAACGAGTA	TACTCGTTTCTGTGACCCCGAGCCG
1407/439	GCGGCTAGTTGTACCTAGCGGCTG	CAGCCGCTAGGTACAAGTACGCCG
1408/440	TCGTCACTGTTAGAGAGGCCTCCG	CGGAGGCCTCTCTAACAGTGACGA
1409/441	AGTGTCGTGAGCCCTAGCGGCGCT	AGCGCCGCTAGGGCTCACGACACT
1410/442	AGGACGCAGGGATTCAAGTGCAAC	GTTGCACTTGAATCCCTGCGTCCT
1411/443	ACCGATGCGCGGTCGGTCTCATAC	GTATGAGACCGACCGCGCATCGGT
1412/444	GGCAGAGGGTTAGGGGGTTTTTTT	AAAAAAACCCCTAACCCCTCTGCC
1413/445	GGCAAAGGGTGTTTATGGGAGACC	GGTCTCCATAAACACCCCTTTGCC
1414/446	ACAAGGCTTCGGCTGGCAGAATAC	GTATTCTGCCAGCCGAAGCCTTGT
1415/447	CATATCCGTTTCTATCGCCAGACG	CGTCTGGCGATAGGAACGGATATG
1416/448	AAGCCTTTGTGGCCAAGGCCGCGT	ACGCGGCCTTGGCCACAAAGGCTT
1417/449	CCGAACCATGGCTTTATCCAGTGT	ACACTGGATAAAGCCATGGTTCCGG
1418/450	GTTTCAGCAGTAGCTCCCTCCTCGA	TCGAGGAGGGAGCTACTGCTGAAC
1419/451	GCGCAGTGACACCATGATGCTTTC	GAAAGCATCATGGTGTCACTGCGC
1420/452	ACGATCCATTTTGCCAGCATGCAA	TTGCATGCTGGCAAAATGGATCGT
1421/453	TCCCTTCATTTTCGGGTTTTTAGCC	GGCTAAAACCCGAAATGAAGGGA
1422/454	TCTTCTTGCCACATTCCCTTTTG	CAAAAGGGAATGTGGGCAAGAAGA
1423/455	TGCCTTTTGATTGGTGGTCACGGT	ACCGTGACCACCAATCAAAAGGCA
1424/456	GACCCTCACGGTCATCAGAGGGAG	CTCCCTCTGATGACCGTGAGGGTC
1425/457	CCGTTCAACACAGTGATACACGCG	CGCGTGTATCACTGTGTTGAACGG
1426/458	CACCAGGGGATAGGTGCGGTACGC	GCGTACCGCACCTATCCCCTGGTG
1427/459	GGTCGGAAGTATCTGTGCGATCC	GGATCGCACAGATCAGTTCCGACC
1428/460	TGCTCCTTCTAGGGTCATCCGTG	CACGGATGACCCTAGGAAGGAGCA
1429/461	GTGGACTTTGACGCCGGCTACCGC	GCGGTAGCCGGCGTCAAAGTCCAC
1430/462	CTGATCTGTGCGCGGTTACTTGCC	GGCAAGTAACCGCCGACAGATCAG
1431/463	AGAGGAGCGGAAAAAACCGGACGA	TCGTCCGGTTTTTTCCGCTCCTCT

1416/1432	GCGACGAAGAGATCCAGCAAGCTC	GAGCTTGCTGGATCTCTTCGTCGC
1433/1415	GGGACTTCCAGCTGAGGGACGAAA	TTTCGTCCCTCAGCTGGAAGTCCC
1434/1416	GGCGCACTCCAATACCCACTGTTT	AAACAGTGGGTATTGGAGTGCGCC
1435/1417	GCGCTTGAGACTGTCAGGACGTG	CACGTCCTGACAGTCTCCAAGCGC
1436/1418	CAAACCGCTGGTTTCTCCACCTGT	ACAGGTGGAGAAACCAGCGGTTTG
1437/1418	GCGATTGCTTGGGATCGGTGACTA	TAGTCACCGATCCCAAGCAATCGC
1438/1470	CTCAGCGACATTTTTCTGGTGCG	CGCCACCAGAAAAATGTCGCTGAG
1439/1471	CAGCGGCGTCGTTTACTCAGGACT	AGTCCTGAGTAAACGACGCCGCTG
1440/1472	GACAGCCGTGAACGCTCAGCCGTT	AACGGCTGAGCGTTCACGGCTGTC
1441/1473	GGGCCGTAGAGGCATCGGGTAAAG	CTTTACCCGATGCCTCTACGGCCC
1442/1474	CGCCGCTCACCTGCTTAAAGCATT	AATGCTTTAAGCAGGTGAGCGGCG
1443/1475	TGCCAAATCGCAACTCTTGAGACA	TGTCTCAAGAGTTGCGATTTGGCA
1444/1476	CCCCGATCGGGTGTAATTCTCCCT	AGGGAGAATTACACCCGATCGGGG
1445/1477	CAAGGTCCAGGTGACGCAACCACT	AGTGGTTGCGTCACCTGGACCTTG
1446/1478	CGAGCCTTCAGTGGTATGCATGCG	CGCATGCATACCACTGAAGGCTCG
1447/1479	CAGCAGCGTGCCCATCTCGACTTA	TAAGTCGAGATGGGCACGCTGCTG
1448/1480	CGGACCAAGATGGCAGTAATCCAG	CTGGATTACTGCCATCTTGGTCCG
1449/1481	CTACCACGCTCTGCGCGGGCTGTA	TACAGCCCGCGCAGAGCGTGGTAG
1450/1482	ACGTGGTTAGGCATGAGCTGCGTC	GACGCAGCTCATGCCTAACACGT
1451/1483	CGACATATCCGACATGACCGGATG	CATCCGGTCATGTCGGATATGTCG
1452/1484	GCGCCCAGGCTGTGTTAGAAAATA	TATTTTCTAACACAGCCTGGGCGC
1453/1485	AGCTGGGACTCCGGACCTTGAGTG	CACTCAAGGTCCGGAGTCCCAGCT
1454/1486	CGGTCGTAACCGCTGCTACAACCTT	AAGTTGTAGCAGCGGTTACGACCG
1455/1487	TCGTTCCCTCTGGAACAATTCAGCA	TGCTGAATTGTTCCAGAGGAACGA
1456/1488	CGGCATCTCCGGACAAAGGTTAAC	GTTAACCTTTGTCCGGAGATGCCG
1457/1489	TATCTTGTCGAGCGCCACTCGGAG	CTCCGAGTGGCGCTCGACAAGATA
1458/1490	TGCAAGGGAGAAAGCCCCATGAGC	GCTCATGGGGCTTTCTCCCTTGCA
1459/1491	ACTGCATAGCCCAGATCCGCTTGC	GCAAGCGGATCTGGGCTATGCAGT
1460/1492	TGTGATTCAAGTCGAAGCAAGGCCG	CGGCCTTGCTTCGACTGAATCACA
1461/1493	CATCCATCTACAATTCGGGCCAGT	ACTGGCCCCGAATTGTAGATGGATG
1462/1494	ATGAGCCGTTTCAAGAAAGCCAAAGA	TCTTTGGCTTTCTGAACGGCTCAT
1463/1495	ACACTGGAATTGCTAGACCCCGCG	CGCGGGGTCTAGCAATTCAGTGT
1464/1496	CTGAGCTGCGTGGGACAACTCCGC	GCGGAGTTGTCCCACGCAGCTCAG
1465/1497	CAGCTACTAGGGCGCGATGTACCC	GGGTACATCGCGCCCTAGTAGCTG
1466/1498	ATAATGATGGGACGAGAAGGCCCC	GGGGCCTTCTCGTCCCATCATTAT
1467/1499	CGACCGAGTGTTACGACATGGTGC	GCACCATGTCGTAACACTCGGTGC
1468/1500	TGCAGTACCCGCCGCTCCACTAGT	ACTAGTGGAGCGGCGGGTACTGCA
1469/1501	ATGCTAGCGCGCCTGTCAACGTAC	GTACGTTGACAGGCGCGCTAGCAT
1470/1502	AGACTCACTGCCGGCTGATCAAAT	ATTTGATCAGCCGGCAGTGAGTCT
1471/1503	GCCTGGTGCGAAGATAGGGATTCC	GGAATCCCTATCTTCGACCAGGC
1472/1504	GGAAAGTTGGCGGATCCGAGCACT	AGTGCTCGGATCCGCCAACTTTCC

1473/1505	GGCAGTGAGCAATGTGTGACGAGG	CCTCGTCACACATTGCTCACTGCC
1474/1506	TGAGGTCTCCCGGCGGACTACGA	TCGTAGTCCGCCGGGAGGACCTCA
1475/1507	CTCGCCTTAGATCGTGGTTCCGCA	TGCGGAACCACGATCTAAGGCGAG
1476/1508	GTCGAGGAATATCATCGCAGCCAG	CTGGCTGCGATGATATTCCTCGAC
1477/1509	GCGAATGCAACGAGACAAGAAGGA	TCCTTCTTGTCTCGTTGCATTGCG
1478/1510	TTCGCCACCAAGTCGGCATTGTGTT	AACAAATGCCGACTTGGTGGCGAA
1479/1511	CGGTGGCTGACACTTGCCGGATTCT	GAATCCGGCAAGTGTGAGCCACCG
1480/1512	CAAGGAGCAATCAGATGGTCGGAG	CTCCGACCATCTGATTGCTCCTTG
1481/1513	GTGACCCGGTCCGTTCTAGCTGTG	CACAGCTAGAACGGACCGGGTCAC
1482/1514	CTCTCGCCCACATAACTGCACAAA	TTTGTGCAGTTATGTGGGCGAGAG
1483/1515	AAACCTGCCTAAGCAAGCACTGGA	TCCAGTGCTTGCTTAGGCAGGTTT
1484/1516	TTCCATATTGTACCCCGCGCATGC	GCATGCGCGGGGTACAATATGGAA
1485/1517	TGCTTGCGATATCACGATACTGCG	CGCAGTATCGTGATATCGCAAGCA
1486/1518	TTAGTGTTGAGCCTTGAGCCGGC	GCCGGCTCAAGGCTCGAACACTAA
1487/1519	CTTGTTGCGCGAGTCCGTCTGGGA	TCCAGACGGACTCGCGCAACAAG
1488/1520	GTCAGCTGCCTGCTGGTGCTCTTC	GAAGAGCACCAGCAGGCAGCTGAC
1489/1521	CATCCCTCGAGGTGTAGGCAACAC	GTGTTGCCTACACCTCGAGGGATG
1490/1522	CAGATGCACTCCGACGGGATTGAG	CTGAATCCCGTCGGAGTGCATCTG
1491/1523	CTGAGCCTCGCGAAGCTGTGGCAT	ATGCCACAGCTTCGCGAGGCTCAG
1492/1524	GCTATGCCACGCCGCAGATAGAGC	GCTCTATCTGCGGCGTGGCATAGC
1493/1525	AACACCAACCATAACCGTCCGTTCA	TGAACGGACGGTATGGTTGGTGTT
1494/1526	GCCCAGAGCTAAAGCATGTCTGGG	CCCAGACATGCTTTAGCTCTGGGC
1495/1527	AATGCTGCAATGCTAGCGTCGCTA	TAGCGACGCTAGCATTGCAGCATT
1496/1528	TCCGGACGCAGTATCCAATCCGGA	TCCGGATTGGATACTGCGTCCGGA
1497/1529	TAAGACCATGTGGCACCAAGGTGC	GCACCTTGGTGCCACATGGTCTTA
1498/1530	ACAGCCACACACACGCGCCCACTA	TAGTGGGCGCGTGTGTGTGGCTGT
1499/1531	TAGAACCAGACGCGCGCCTTGTA	TACAAGGCGCCGTGCTCGGTTCTA
1500/1532	TTGAGTAAGCTGGCAGGACCACT	AGTGGTCCTGCCAGCTTACTCGAA
1501/1533	CTTTCGCAGGTTGCGAGACAATCC	GGATTGTCTGCGAACCTGCGAAAG
1502/1534	TACGTCCTGTGCTGTTGACACCGG	CCGGTGTCAACAGCACAGGACGTA
1503/1535	GTTTCGGGTCAATGTTTCGGGGAGA	TCTCCCCGAAACATTGACCCGAAC
1504/1536	CCCTGTTGTGAAGGGGTTTTGTGA	TCACAAAACCCCTTCAACAGGG
1505/1537	GGCAGATTGGTGAACCCAGATAA	TTATCTGGGGTTACCAATCTGCC
1506/1538	CCCTCGGTGTGTTCAAGCCAAATC	GATTTGGCTTGAACACACCGAGGG
1507/1539	CCGCGGAACATTTGAACAGCTTAA	TTAAGCTGTTCAAATGTTGCGGG
1508/1540	CCGTGTCAGTTGCTCCCTGGCACG	CGTGCCAGGGAGCAACTGACACGG
1509/1541	TCCGTCTCAGCGCCTCCCTATCC	GGATAGGGAGGCGGCTGAGACGGA
1510/1542	ATAGCTGGGTCAACACAGGCGGTC	GACCGCCTGTGGTGACCCAGCTAT
1511/1543	ATAGGCAAGCGGTGTAGCACAGCG	CGCTGTGCTACACCGCTTGCTAT
1512/1544	TTAGAAGCCGGTCTGGATTTGCGT	ACGCAAATCCAGACCGGCTTCTAA
1513/1545	TGCCGACCTTTACCAGGATCCTCG	CGAGGATCCTGGTAAAGGTCGGCA

4514/546	GCCACACTATAACCAAGCTGGCA	TGCCAGCTTGTTATAGTGTGGGC
4515/547	TTGCGCCACTAGTACGGATCTCAA	TTGAGATCCGTACTAGTGGCGCAA
4516/548	CTTGCAGTTTATGCTGACCCGTCC	GGACGGGTCAGCATAAACTGCAAG
4517/549	TGCCTCCAAATTACTTACCGCCGT	ACGGCGGTAAGTAATTTGGAGGCA
4518/550	CCCGTATGCGGAAGCTATGGGCTA	TAGCCCATAGCTTCCGCATACGGG
4519/551	TCGTTCAACCCACACTTCAGTTG	CAACTGAAGTGTGGGGTTGAACGA
4520/552	CAATGTGGGGGACATTTCAAGGTT	AACCTTGAAATGTCCCCCACATTG
4521/553	TAGCGTCGCACAAATGGCTGACCG	CGGTCAGCCATTTGTGCGACGCTA
4522/554	GGTGGCTTCGTGACAATATCGGCC	GGCCGATATTGTCACGAAGCCACC
4523/555	CAGCGGCGTCCGAAATTGGCTCTC	GAGAGCCAATTTTCGACGCCGCTG
4524/556	GGCTTGCTCTCGTTTTTGATTGCA	TGCAATCAAAAACGAGAGCAAGCC
4525/557	ATGCGAGGAGGACACGACCGTTCC	GGAACGGTCGTGTCCTCCTCGCAT
4526/558	CCTGTTCACTACGACCCACGGGAA	TTCCCGTGGGTCGTAGTGAACAGG
4527/559	GTGCCACGGAGTGC GACTGTTGCT	AGCAACAGTCGCACTCCGTGGCAC
4528/560	ACACATCCAAGTCTGACGATGGCC	GGCCATCGTCAGACTTGATGTGT
4529/561	CAGCCCGAAAGGAAAGCCTCCGTG	CACGGAGGCTTTCCTTTCGGGCTG
4530/562	AACTGAATGTAGGTGGGCCCTGT	ACAGGGGCCACCTACATTCAGTT
4531/563	ATTTTCGACGATAAGCTGGCCGGT	ACCGGCCAGCTTATCGTCGAAAT
4532/564	TGAGGGAGAACCCGAAATCTGCTT	AAGCAGATTTCGGGTTCTCCCTCA
4533/565	GGCGACTACATCCCAATTGCTTG	CAAGCAATTGGGGATGTAGTCGCC
4534/566	GCAGACGCGGCCCTTCCATACTTTT	AAAAGTATGGAAGGCCGCGTCTGC
4535/567	ACAACCACATGACGTGTAGCTGCA	TGCAGCTACACGTCATGTGGTTGT
4536/568	CTGCTGGGCGCGCAAAGCTTGTTG	CAACAAGCTTTGCGCGCCCAGCAG
4537/569	AAGCCTTCTTTGGCTTGCTCCGCT	AGCGGAGCAAGCCAAAGAAGGCTT
4538/570	TACCTGCTGCCTGGAGCAAGGCAT	ATGCCTTGCTCCAGGCAGCAGGTA
4539/571	GACGCCGCAGCCATGAGTGAGTGT	ACACTCACTCATGGCTGCGGCGTC
4540/572	AGTTGGCCGCTTATTTTGCTCACC	GGTGAGCAAAATAAGCGGCCAACT
4541/573	CCAGGCGCCTTCGACAGATCCTCA	TGAGGATCTGTGGAAGGCGCCTGG
4542/574	GTGTCCCCTCCAGCTAGCCAGTTT	AAACTGGCTAGCTGGAGGGGACAC
4543/575	GACAACAAGCCAAGGTGACACGTC	GACGTGTCACCTTGCTTGTTGTC
4544/576	CTACACCGCTCGTGACTCGGCAAA	TTTGCCGAGTCACGAGCGGTGTAG
4545/577	TGGTGCCATCAAAGCACGTTGTAC	GTACAACGTGCTTTGATGGCACCA
4546/578	ACAATGCGTGTTGCGAAACGCATA	TATGCGTTTCGCAACACGCATTGT
4547/579	TTGTCCAGCCATTGTATTTTGCGC	GCGCAAAATACAATGGCTGGACAA
4548/580	ACGAGAGATAGCGGACTCCTCCGA	TCGGAGGAGTCCGCTATCTCTCGT
4549/581	AGCTTTGTCGTCAGGCGAGCTCTT	AAGAGCTCGCCTGACGACAAAGCT
4550/582	GACAGTCGGCGTGAGTTTGTTGT	ACAACAACTGCACGCCGACTGTC
4551/583	AGCTAGCGACGGCCAACTCACGTA	TACGTGAGTTGGCCGTCGCTAGCT
4552/584	CTCCTGTTCCGGGGCCGTTACTGGT	ACCAGTAACGGCCCCGAACAGGAG
4553/585	ACTGACCGACGCAGTGCCACATAG	CTATGTGGCACTGCGTCGGTCAGT
4554/586	AGGTAGGGTCTGGTTTGACTCGCA	TGCGAGTCAAACCAGACCCTACCT

1555/588	CCTCCATTTTAGCGCGTTGCCAAT	ATTGGCAACGCGCTAAAATGGAGG
1556/589	TTCTTAGGATCCGCGCACTCTTGG	CCAAGAGTGCGCGGATCCTAAGAA
1557/590	GTCGAAGGTGTCTACCGTGCGCAG	CTGCGCACGGTAGACACCTTCGAC
1558/591	GTCACTCGGCGGCCCAATCACTCG	CGAGTGATTGGGCCGCCGAGTGAC
1559/592	TCTCGGTCACCCGTCTTGACCCTT	AAGGGTCAAGACGGGTGACCGAGA
1560/593	GCCCTCGACGAACTCATCCTGAAC	GTTCAGGATGAGTTCGTTCGAGGGC
1561/594	TCCGGCGTACTCTGACACGGCGAT	ATCGCCGTGTCAGAGTACGCCGGA
1562/595	AGCCAAATGCTTTCGTGGTTCGGA	TCCGAACCACGAAAGCATTGCT
1563/596	ACTCCACGCCGCATGTTGCTGTGA	TCACAGCAACATGCGGCGTGGAGT
1564/597	GCTTCGAGTCGGTGGCATCTGTAT	ATACAGATGCCACCGACTCGAAGC
1565/598	GGTCTTGGGCCATCGACTTGCTGC	GCAGCAAGTCGATGGCCCAAGACC
1566/599	GGTATCGGACTGCACTAAGGGCAA	TTGCCCTTAGTGACAGTCCGATACC
1567/600	AGCCCATGCGTTCGGGATGATTTG	CAAATCATCCGGAACGCATGGGCT
1568/601	GCCAGGGTTAAAAGTGATGGGCTC	GAGCCCATCACTTTTAACCCTGGC
1569/602	GACGACGTGCTGGCTACGAAGGGG	CCCCTTCGTAGCCAGCACGTCTGC
1570/603	TCCTATTGACCGTGATCGTGATC	GATCACGATGCACGGTCAATAGGA
1571/604	ACCCGCCTCGACTCCACAATAAA	TTAGTTGTGGAGTCGAGGCGGGT
1572/605	GATGTGGATCACGACCTGCCAGTA	TACTGGCAGGTCGTGATCCACATC
1573/606	GTGCCATTGCCACCCATAATGCGT	ACGCATTATGGGTGGCAATGGCAC
1574/607	TTAGCCTGTGCACCCAGTCAGGAG	CTCCTGACTGGGTGCACAGGCTAA
1575/608	TCCGATGGGAGAGGCTGATCTCAC	GTGAGATCAGCCTCTCCCATCGGA
1576/609	CACTACTGAAGTGGCCTGGCGCTG	CAGCGCCAGGCCACTTCAGTAGTG
1577/610	TGCGGCCATAGCGATGTGATAGAT	ATCTATCACATCGCTATGGCCGCA
1578/611	GATTGCGCTTAACGGAGATGCACG	CGTGATCTCCGTAAAGCGCAATC
1579/612	TCACGTTTGACAACGCCAAGCATT	AATGCTTGGCGTTGTCAAACGTGA
1580/613	GCATTGTTTGCTAAAGGCGGCATT	AATGCCGCCTTTAGCAAACAATGC
1581/614	AGTCGCTCTACGCGTGCAACGCTG	CAGCGTTGCACGCGTAGAGCGACT
1582/615	TAGCTCCATGGAGGTCGAAAGGG	CCCTTTCGGACCTCCATGGAGCTA
1583/616	GACCGGTTGGACCTCACTGGCTTC	GAAGCCAGTGAGGTCCAACCGGTC
1584/617	AAGCCGGACAGTCAATGTGCGTAT	ATACGCACATTGACTGTCCGGCTT
1585/618	TGCCTCGCTGAGTTCTTCACCGTG	CACGGTGAAGAACTCAGCGAGGCA
1586/619	TCGTAGACCTTGCTTTTGGGCTCA	TGAGCCCAAAGCAAGGTCTACGA
1587/620	ACCGCTATGCGCCCTACAAAGCAT	ATGCTTTGTAGGGCGCATAGCGGT
1588/621	TAGCGTCACCGTAGCTTGGGGCAG	CTGCCCCAAGCTACGGTGACGCTA
1589/622	CTCTCAGCAACTGATGGCACCGGA	TCCGGTGCCATCAGTTGCTGAGAG
1590/623	AAAGGAAATGTGGTGCTGGTCGGC	GCCGACCAGCACCATTTCTTTT
1591/624	CCGGCTTAGATGGAGAACAAGTGC	GCACTTGTTCTCCATCTAAGCCGG
1592/625	AAGTAAATCGCCTCGCCCAAACCG	CGGTTTGGGCGAGGCGATTTACTT
1593/626	TGGGCTGTTACGCTACCGGACGT	ACGTCCGGTAGGCTGAACAGCCCA
1594/627	GTTTCGGTTCAGCCATGGGCCTAC	GTAGGCCCATGGCTGAACCGAAAC
1595/628	GGCCAACATTTCTAGGGGAGTGCC	GGCACTCCCCTAGAAATGTTGGCC

1596/1029	TTCTTCGTTGGGATTGTCCTCACC	GGTGAGGACAATCCCAACGAAGAA
1597/1030	TGCACATTGGGGTACGGATCTGAC	GTCAGATCCGTACCCCAATGTGCA
1598/1031	GGCAGTTAGACGGCAAACCTGCAGG	CCTGCAGTTTGCCGTCTAACTGCC
1599/1032	CGCGTCAGGCTATGAATGGCTCTT	AAGAGCCATTTCATAGCCTGACGCG
1600/1033	GCTGAATGCAAACCTCGGAGCCAT	ATGGCTCCGAGGTTTGCATTACAGC
1601/1034	CGCTCTGGCGGATTCAATTGTTTTT	GAAAACAATGAATCCGCCAGAGCG
1602/1035	TTTTCAATCAACCCTCCGGACGTA	TACGTCCGGAGGGTTGATTGAAAA
1603/1036	GTGGTGGAGTCTGAAGCACGACAG	CTGTCTGTGCTTCAGACTCCACCAC
1604/1037	AAACAGGTCCGGATGATGTCTGGA	TCCAGACATCATCCGGACCTGTTT
1605/1038	GTACCGCGTGTACGCCACCGTTAG	CTAACGGTGGCGTACACGCGGTAC
1606/1039	TCCAACCTACATTTGCGGAAGGAA	TTCTTCCGCAAATGTAGGTTGGA
1607/1040	GACGTACCGTCGTCCCGTGAGTTG	CAACTCACGGGACGACGGTACGTC
1608/1041	GGCAATCCTACAACCGACGCTGAT	ATCAGCGTCGGTTGTAGGATTGCC
1609/1042	GGCGGCTGCAGGGTCTACATCGAG	CTCGATGTAGACCCTGCAGCCGCC
1610/1043	ATACTACGCTGCAGCTGCGCGGGC	GCCCGCGCAGCTGCAGCGTAGTAT
1611/1044	GGATCGCAATCCCTCCGATGACGA	TCGTCATCGGAGGGATTGCGATCC
1612/1045	TGGCCTTGACACGGGAGCCGAATCT	AGATTCCGGCTCCCGTGCAAGGCCA
1613/1046	AGGTGCCGACGAAACGACGAATAT	ATATTCGTCTGTTTCGTCTGGCACCT
1614/1047	GCTGTTTACCGTCGTCTGTTGTTG	CAACAACGACGACGGTGAAACAGC
1615/1048	CGGTCCCAATGTTACAACCCAGAC	GTCTGGGTTGTAACATTGGGACCG
1616/1049	GCAATTCCAGCCACTTTTGACCAA	TTGGTCAAAAGTGGCTGGAATTGC
1617/1050	ACGGGCGAAAGCTCGGTACGGATA	TATCCGTACCGAGCTTTCGCCCGT
1618/1051	CGACCCGACTTTTGCTTTCGAGTG	CACTCGAAAGCAAAAGTCGGGTCTG
1619/1052	AATTCAGTGTTTGCGTCATGGTCG	CGACCATGACGCAAACACTGAATT
1620/1053	CCTGTATGAGGTTCTGGGTCTGGCT	AGCCGACCCAGAACCTCATACAGG
1621/1054	TGGCATACTTGGTGCAAACGCCGT	ACGGCGTTTGCACCAAGTATGCCA
1622/1055	TCGCCAGTACAGAAACATGCGGGC	GCCCGCATGTTTCTGTACTGGCGA
1623/1056	CCCGCTGTTGCTCTCATCGTGGAG	CTCCACGATGAGAGCAACAGCGGG
1624/1057	GCCACAATCTGACCCTGGGAATCA	TGATTCCCAGGGTCAGATTGTGGC
1625/1058	GCTCAGTCTCGGAAGTTTCGGCTA	TAGCCGAAACTTCCGAGACTGAGC
1626/1059	CTTCACGGGCCAACGACGGTCGAG	CTCGACCGTCGTTGGCCCGTGAAG
1627/1060	CGACAGTTCGGTCCGTCTTGAGGA	TCCTCAAGACGGACGGAACGTCTG
1628/1061	ACGGAGACGCAGTCGAAACGTCCC	GGGACGTTTCGACTGCGTCTCCGT
1629/1062	CATGCATCCGATTAAGGGGATCAC	GTGATCCCCTTAATCGGATGCATG
1630/1063	ATTGCGGGAGTCCCTAGCTTTCTG	CAGAAAGCTAGGGACTCCCGCAAT
1631/1064	GTGTGGAAGATGCAATTGGAACGG	CCGTTCCAATTGCATCTTCCACAC
1632/1065	ATACAACGGTAGGTGACAGGGGCG	CGCCCTGTACCTACCGTTGTAT
1633/1066	GCCGTGGGAGTAAGGGTACAAAGG	CCTTTGTACCCTTACTCCCACGGC
1634/1067	GCACGTAGGTCTGGCTACTACTCGG	CCGAGTAGTAGCCGACCTACGTGC
1635/1068	ACTGTGATCTCTTGGGCAAAGGGC	GCCCTTTGCCCAAGAGATCACAGT
1636/1069	CATGCCTGAACAATCTCGCATCCC	GGGATGCGAGATTGTTTCAGGCATG

1637/1670	GAGCCTGGCTCCACAGCTGTGCTC	GAGCACAGCTGTGGAGCCAGGCTC
1638/1671	CTTCGATACCATCGTTGGCGATC	GATCGCCAACGATGGTATCGAAAG
1639/1672	CCCGGAGGTGAGGCATTGAATATG	CATATTCAATGCCTCACCTCCGGG
1640/1673	CTCATTGAGCTAAAAGCGGCTGGA	TCCAGCCGCTTTTAGCTGAATGAG
1641/1674	GAAATGCCCTGGGGACTTTTTGCC	GGCAAAAAGTCCCCAGGGCATTTC
1642/1675	TTTGCTTCACAACAGACGCAGCA	TGCTGCGTCTGTTGTGAAGGCAAA
1643/1676	AAATCCCAAGACGTCGGGGCGTAT	ATACGCCCCGACGTCTTGGGATTT
1644/1677	CAACGGGCGGTAGCTAAACCGTAA	TTACGGTTTAGCTACCGCCCGTTG
1645/1678	GGCCAACGACAATGCGAAACCTTC	GAAGGTTTCGCATTGTCGTTGGCC
1646/1679	GACATCACGCAAAATCTCAGCGCA	TGCGCTGAGATTTTGCCTGATGTC
1647/1680	ACGTTCCGTCACAAACCGTATGTT	AACATACGGTTGTGGACGGAACGT
1648/1681	GCTCATAGGTCTTCCGTAGCCCGT	ACGGGCTACGGAAGACCTATGAGC
1649/1682	GAAACGAGTCTCTCGCGCCCTAGA	TCTAGGGCGCGAGAGACTCGTTTC
1650/1683	CGGGACAGAAGCAAGTTACATCGG	CCGATGTAACCTGCTTCTGTCCCG
1651/1684	TGACCGCTCGATACCAGGAGGGTG	CACCCTCCTGGTATCGAGCGGTCA
1652/1685	CTGGCAATAAAGACCTTCGACCA	TGGTCGGAAGGTCTTTATTGCCAG
1653/1686	TGCGCGACGTCATGTTGGTGATTA	TAATCACCAACATGACGTCGCGCA
1654/1687	GTTGGTTGTGGGAACACACCCGCT	AGCGGGTGTGTTCCCAACAAC
1655/1688	TGTGGGTTTCGAAACACAGGAAGT	ACTTCCTGTGTTTCCGAACCCACA
1656/1689	GGAAAAACGGCAATTAGCCGAGT	ACTCGGCTAATTGCCGTTTTTCC
1657/1690	TGGTGCGGAGTGCCCTCTATTGGG	CCCAATAGAGGGCACTCCGCACCA
1658/1691	AACCAACAGGCTGCAGCCAGACT	AGTCTGGGCTGCAGCCTGTTGGTT
1659/1692	AAACAGATCCATCTGCACGCCAGG	CCTGGCGTGCAGATGGATCTGTTT
1660/1693	GGAATACCGCGGCGATTATGGCTT	AAGCATAATCGCCGCGGTATTCC
1661/1694	TACTGTTCGCGGCAAACCGTCACT	AGTGACGGTTTGCCGCGAACAGTA
1662/1695	GATCTCTCGTGGAGCACGTTTTCC	GGAAAACGTGCTCCACGAGAGATC
1663/1696	GGCATAGCAAACCTTGACCTCAA	TTGGAGGTCAAGGTTTGCTATGCC
1664/1697	ATCTGGGATTTCGCGAGCCAATATC	GATATTGGCTCGCGAATCCCAGAT
1665/1698	CGATCAGGATATCATTTACGCCCG	CGGGCGTAAATGATATCCTGATCG
1666/1699	ACGGTACCGAAACGGTCTCAGCGT	ACGCTGAGACCGTTTCGGTACCGT
1667/1700	CTCCCATACCTGCGTTCTTACCGA	TCGGTAAGAACGCAGGTATGGGAG
1668/1701	GCACGAGAACCTAATTGTGCACA	TGTGCGACAATTAGGTTCTCGTGC
1669/1702	GCCACACGATCAAGACAGCGCATG	CATGCGCTGTCTTGATCGTGTGGC
1670/1703	CCCGTTAACTCACGAGCGGTCAAT	ATTGACCGCTCGTGAGTTAACGGG
1671/1704	AGAGAAGGTCATTGCCTGTGCGTG	CACCGACAGGCAATGACCTTCTCT
1672/1705	CGGGCCCTCTTAAAGTAGAGCAGG	CCTGCTCTACTTTAAGAGGGCCCG
1673/1706	ACATCGCGTCCGAGGGAGTTAGCG	CGCTAACTCCCTCGGACGCGATGT
1674/1707	AATGCCTAATCGAGCCAGCGGATC	GATCCGCTGGCTCGATTAGGCATT
1675/1708	CTCGATCTTTTTAAACCGGCGCTT	AAGCGCCGGTTTAAAAAGATCGAG
1676/1709	CGTTCCTGGAAGGCAGGGTCTCAC	GTGAGACCCTGCCTTCCAGGAACG
1677/1710	CCTGTGCTTACTATCGGCGATCCA	TGGATCGCCGATAGTAAGCACAGG

4678/111	GTTAGTCGCCCTATTGGCCTGGTT	AACCAGGCCAATAGGGCGACTAAC
4679/112	CCGGTGAGATGACTGTAAATGCCA	TGGCATTACAGTCATCTCACCGG
4680/113	CGTGGTTTAAACATCGCGCTTCG	CGAAGCGCGATGTTTTAAACCACG
4681/114	TAAGACGCAGAAGATGGGGTCCAC	GTGGACCCCATCTTCTGCGTCTTA
4682/115	CACCACAGCTTCTTTGTTGACCC	GGGTCTGAACAAAGAAGCTGTGGTG
4683/116	TCGGGTCCGTACCACCACTTTTGC	GCAAAAGTGGTGGTACGGACCCGA
4684/117	CCAAGCCCCGAGTACCGAAGATTT	AAATCTTCGGTACTCGGGGCTTGG
4685/118	TCCGTGATATGGTCGTGGCGCGGT	ACCGCGCCACGACCATATCACGGA
4686/119	TGTCTGTGTCATGGCACCTCGCAT	ATGCGAGGTGCCATGACACAGACA
4687/120	AGGACTGCACTGTGCACGTCTGAT	ATCAGACGTGCACAGTGCAGTCCT
4688/121	CCATCCTCATGTACAGCGCCGCTG	CAGCGGCGCTGTACATGAGGATGG
4689/122	GTACCCGCGCCTTCCTCGACACAG	CTGTGTCGAGGAAGGCGCGGGTAC
4690/123	ACGGGTCCGTGGTCGACTAAGGCTT	AAGCCTTAGTCGACCAGGACCCGT
4691/124	CGTATCGAAGGCGTGTACAACCGG	CCGGTTGTACACGCTTCGATACG
4692/125	TGCCCGCCCTTTATGCAACGCTCA	TGAGCGTTGCATAAAGGGCGGGCA
4693/126	AAACTTACGAGACGGCGGCTGCCA	TGGCAGCCGCCGTCTCGTAAGTTT
4694/127	AAGTCTGACAAACGGAACGGGTGT	ACACCCGTTCCGTTTGTGCACTT
4695/128	TAAGCGCAGACCAAAGTATGCGGC	GCCGCATACTTTGGTCTGCGCTTA
4696/129	GCAGTTTTTCAGATCCTCCGCAAA	TTTGCGGAGGATCTGAAAACTGC
4697/130	TCGGAAGCATTACGCGATCTCAG	CTGAGATCGCGTAAATGCTTCCGA
4698/131	CACAGAAACGGTTGAACGAACGCC	GGCGTTCTGTTCAACCGTTTCTGTG
4699/132	GCATGCTCAGATGGTCGTGCTCAC	GTGAGCACGACCATCTGAGCATGC
4700/133	AAGGATTCTCGCTTCCGGCATGAT	ATCATGCCGGAAGCGAGAATCCTT
4701/134	GGTGGGGTAGCGCTGGTATGAAAA	TTTTCATACCAGCGCTACCCACC
4702/135	ATTATTACGGGACCGAACCAACGG	CCGTTGGTTCGGTCCCGTAATAAT
4703/136	GCGCGAGTGTATGATGTTACGT	ACGTGAACATCATGACACTCGCGC
4704/137	GACATTCGTGACTTGGTCGTCCGC	GCGGACGACCAAGTCACGAATGTC
4705/138	TCATTAGTGCAGGCACCGATCAAG	CTTGATCGGTGCCTGCACTAATGA
4706/139	GAGTTGTGCGGAGTCATCGGAGTC	GACTCCGATGACTCCGCACAACCTC
4707/140	GCCTTTACAGATTTGGCGGGCTAT	ATAGCCCGCCAAATCTGTAAAGGC
4708/141	ATGGCGTTTGCAGAGTCGATACAG	CTGTATCGACTTCGCAAACGCCAT
4709/142	TGCATCGGCCTCAATCAGAGAACT	AGTTCTCTGATTGAGGCCGATGCA
4710/143	ACAATCATGGCAATCTGGCAAATG	CATTTGCCAGATTGCCATGATTGT
4711/144	GACGTGGAAGAGTGCAGATCAGCA	TGCTGATCTGCACTCTTCCACGTC
4712/145	AGGGCAGGGGACGGACAGTAAGTC	GACTTACTGTCCGTCCCCTGCCCT
4713/146	GCATAGGGCGAATCTAGTACGGGC	GCCCGTACTAGATTGCCCCTATGC
4714/147	TCCGGCGCATCCTCATTAGCAACT	AGTTGCTAATGAGGATGCGCCGGA
4715/148	TGGCCGCTTCCACTAATATTGGAC	GTCCAATATTAGTGGAAGCGGCCA
4716/149	CCGGCGGACGGCTCTTGTCATGA	TCATTGACAAGAGCCGTCCGCCGG
4717/150	CGAGCAACCCAAAAGGAAGCAGTA	TACTGCTTCCTTTGGGTTGCTCG
4718/151	GCGTATGATTCCGGCAATCCGCCAG	CTGGCGGATTGCCGAATCATACGC

4749/752	AGTACCGCTACAACGCTGGTTCGC	GCGAACCAGCGTTGTAGCGGTACT
4720/753	GGGCAGGCCAGGTCCACCTGAGAA	TTCTCAGGTGGACCTGGCCTGCCC
4724/754	CCACTTCTGTGACCGAACCGTGCT	AGCACGGTTCGGTCACAGAAGTGG
4722/755	CCTGGTACCAGGCAGCAGTTGATT	AATCAACTGCTGCCTGGTACCAGG
4723/756	TTAGGGTACCGTCGAGAGACGCCA	TGGCGTCTCTCGACGGTACCCTAA
4724/757	GGTTGCTTGTGCGCGTGAGGTAGT	ACTACCTCACGCGCACAAGCAACC
4725/758	TGCTTCGACCGATGAACTCGAAG	CTTCGAGTTTCATCGGTCTGAAGCA
4726/759	TGCCACCCATACTATGCCCAGTGG	CCACTGGGCATAGTATGGGTGGCA
4727/760	TGTGCGGCAACGCGTGAAGACGTT	AACGTCTTCACGCGTTGCCGCACA
4728/761	TGAGAGAAGCTGGCCTCGGATCAG	CTGATCCGAGGCCAGCTTCTCTCA
4729/762	TATTGCGAATTCGAGTACGTGCC	GGGCACGTACTCGAATTCGCAATA
4730/763	CGAGAGGGGTTCCCCAGTGATCGA	TCGATCACTGGGGAACCCCTCTCG
4731/764	TGCCTGGGGTGTCGTTCTAATTCT	AGAATTAGAACGACACCCCAGGCA
4732/765	GTGCGTCATTGTGGGTCATCCCAA	TTGGGATGACCCACAATGACGCAC
4733/766	AGGGCTCCCAGCATACCAACGTTG	CAACGTTGGTATGCTGGGAGCCCT
4734/767	AACTAGCCGCACCTTTGTGCAGAG	CTCTGCACAAAGGTGCGGCTAGTT
4735/768	TTAGCCAGCCCTTCAATGGGAAC	GTTCCCATTTGAAGGGCTGGGCTAA
4736/769	CGGCCTCGGTTGTACGGGTAGTCT	AGACTACCCGTACAACCGAGGCCG
4737/770	TCTTTGAGGCGCGGACCCGCATAT	ATATGCGGGTCCGCGCCTCAAAGA
4738/771	GATGGTTCGCCCTTGTGTGCGCAGC	GCTGCGACACAAGGGCGAACCATC
4739/772	GAGATTCAATACAGGCCGCGGGTC	GACCCGCGGCCTGTATTGAATCTC
4740/773	AGGGCGAAGGAAGGTTCCGTTTTT	AAAAACGGAACCTTCCTTCGCCCT
4741/774	CTCGACCCCTGCCACTACTGGTTC	GAACCAGTAGTGGCAGGGGTCGAG
4742/775	TGTTCCGCGGTCTACGCATTACTG	CAGTAATGCGTAGACCGCGGAACA
4743/776	GAGACGACGTCTACACCCGCTAA	TTAGCGGGTGTAGGACGTCTCTC
4744/777	AGATTGCGACAGCGACACGTGATT	AATCACGTGTCGCTGTCGCAATCT
4745/778	GATACCGTTGGGCATTTCTCGGTA	TACCGAGAAATGCCCAACGGTATC
4746/779	GATTGGGAGGCATTCAGCGACGGA	TCCGTCGCTGAATGCCTCCCAATC
4747/780	AGGAGGAAACGAGGGCGTAGGTTT	GAACCTACGCCCTCGTTTCCTCCT
4748/781	GCCAAACAACGTCTGACGCCTAGC	GCTAGGCGTCAGACGTTGTTTGGC
4749/782	TTAATGCGGAAAGGATGCACGCG	CGCGTGATCCTTTCCGCATTAAA
4750/783	TTATCGGCCGTTAAATGGGATGG	CCATCCCATTTTAACGGCCGATAA
4751/784	CCTTGATTCTGTTTCATCGCTAGCA	TGCTAGCGATGAACGAATCCAAGG
4752/785	AAGTGAACGTGCAGTGGTCTTCGA	TCGAAGACCACTGCACGTTCACTT
4753/786	TCCTTACCCCTCGTTCAAACGCCT	AGGCGTTTGAACGAGGGGTAAGGA
4754/787	ATTCCTGAACCATGCATGGCCTGT	ACAGGCCATGCATGGTTCAGGAAT
4755/788	AGCGAGACGCTCGATCACGAACCTA	TAGTTCGTGATCGAGCGTCTCGCT
4756/789	GCTGGTCTGGCTCGCTGTTTAGAA	TTCTAAACAGCGAGCCAGACCAGC
4757/790	CGTGCGCGGCATAAAGATAGGTCT	AGACCTATCTTTATGCCGCGCACG
4758/791	TCTGGCACTCACATCGGACAGTCT	AGACTGTCCGATGTGAGTGCCAGA
4759/792	ACCATTGGAGGACCACAGAGCTCC	GGAGCTCTGTGGTCTCCAATGGT

4760/793	TCCAGGGTCGGAGTACATGGCGGG	CCCGCCATGTACTCCGACCCTGGA
4761/794	ATATGCCGTCGGATCGTACACGCA	TGCGTGTACGATCCGACGGCATAT
4762/795	TGCTGGCGTCAACACTTCCCGATT	AATCGGGAAGTGTTGACGCCAGCA
4763/796	CAGGGCGGTGCGGTGAACTAGCCA	TGGCTAGTTCACCGCACCGCCCTG
4764/797	CATGGACTGCCGTACATCAGCTGG	CCAGCTGATGTACGGCAGTCCATG
4765/798	CCGGCCATACGCTGGCAAGATTAC	GTAATCTTGCCAGCGTATGGCCGG
4766/799	AGCGGACACCTGTACTCTCCTCCA	TGGAGGAGAGTACAGGTGTCCGCT
4767/800	GGAGCCACACCAGTCGAAGATGGT	ACCATCTTCGACTGGTGTGGCTCC
4768/801	CGCCACCGGAAATTGAAAAGACTG	CAGTCTTTTCAATTTCCGGTGGCG
4769/802	TGAAACGGATGTTGCTTCTTGACG	CGTCAAGAAGCAACATCCGTTTCA
4770/803	TTGAAGCGGTGAAGAGCCTGTCCT	AGGACAGGCTCTTCACCGCTTCAA
4771/804	CGAACCAAGCTGCATTGTCAGTGG	CCACTGACAATGCAGCTTGGTTCG
4772/805	GAGTCTGCGCTTGCAATCTTTGCG	CGCAAAGATTGCAAGCGCAGACTC
4773/806	GCTGGGTATAGTTGCCTGGCAATG	CATTGCCAGGCAACTATACCCAGC
4774/807	GCAGGCGTTCCATATTCGCAACCC	GGGTTGCGAATATGGAACGCCTGC
4775/808	GCGCCAATAATACCTCCACCGCG	CGCGGTGGAGGTATTAGTTGGCGC
4776/809	TGGCGTTCAGTGCAACGCTGGTTA	TAACCAGCGTTGCACTGAACGCCA
4777/810	CAAAACTGACGGGTATGGGAGCGC	GCGCTCCCATACCCGTCAGTTTTG
4778/811	AGGTGTCGCTGGAACCCGACTTGT	ACAAGTCGGGTTCCAGCGACACCT
4779/812	CTTCCAAAAGCGCAATTGGCTTTG	CAAAGCCAATTGCGCTTTTGGAAG
4780/813	TCGGGCTTCTCGCAATTCTGTCAG	CTGACAGAATTGCGAGAAGCCCGA
4781/814	GCCAAAAGAATGCGCTGGGTAGGT	ACCTACCCAGCGCATTCTTTTGGC
4782/815	TGGTGCCCGCACCGAGAGACTGTA	TACAGTCTCTCGGTGCGGGCACCA
4783/816	CGAGGCCGTAGTGGGGACTGCTCT	AGAGCAGTCCCCACTACGGCCTCG
4784/817	CGATCTGCGCATAGAGGGGACTTT	AAAGTCCCCTCTATGCGCAGATCG
4785/818	TGTGCAATCGGCCTTCTCAGAGCC	GGCTCTGAGAAGGCCGATTGCACA
4786/819	GATCACCTGGACCGCTACCGTTTT	AAAACGGTAGCGGTCCAGGTGATC
4787/820	ATGGGGAGTTAAGGACCCTGCACC	GGTGCAGGGTCCTTAACCTCCCAT
4788/821	CATTGTGGACAGCCAATGGTGGCT	AGCCACCATTGGCTGTCCACAATG
4789/822	CCATCACCATGCCACGGTAAGATC	GATCTTACCGTGGCATGGTGATGG
4790/823	GCACCCGTGTCGTTGGTTAGCAAG	CTTGCTAACCAACGACACGGGTGC
4791/824	GGAGTGGGTTCCGCGAATTCAGT	CAGTGAATTCGCGGAACCCACTCC
4792/825	GGGGATTTCCTTTCGAGGCTCGA	TCGAGCCTGCGAAAGGAAATCCCC
4793/826	CATTGATCATGTGCACTTGACCA	TGGTGCAAGTGACATGATCAATG
4794/827	AGCAGCGCTGCGCTTGTTCGGAT	ATCCGAAACAAGCGCAGCGCTGCT
4795/828	CGAGTAACGCGGTTGCTTTCGAA	TTCGAAAGCAACCGCGTTACTCG
4796/829	TGGCCTGGAACATAGGTGGAATC	GAGTTCCACCTATGTTCCAGGCCA
4797/830	CGCACACCAAGCGTTTATTGAGAA	TTCTCAATAAACGCTTGGTGTGCG
4798/831	TCACCTTCACAGTGGGCATACAGC	GCTGTATGCCCACTGTGAAGGTGA
4799/832	CAAATATCCCTGAGCCCTCGAGCT	AGCTCGAGGGCTCAGGGATATTTG
4800/833	GGGAGCTGGTGAGCAGATGTAACG	CGTTACATCTGCTCACCAGCTCCC

1801/834	AGGATTGCTTTTGC GTTATGCGGA	TCCGCATAACGCAAAAGCAATCCT
1802/835	ATCGTTTGGGCGCTACGCAATTGT	ACAATTGCGTAGCGCCCAAACGAT
1803/836	CCGATTTGTCCCAAATGCAACGTT	AACGTTGCATTTGGGACAAATCGG
1804/837	AAGGGTCAAGCTCATGGAGCGGAA	TTCCGCTCCATGAGCTTGACCCTT
1805/838	TCTGACGTGCTTCAAGGGCTCGCT	AGCGAGCCCTTGAACGACGTCAGA
1806/839	CGCACCCTCCGAGGTATTTGTCT	AGACAAATACCTCGGAGTGGTGCG
1807/840	AAGGGGTGAAAAAGGAGAAGCCGA	TCGGCTTCTCCTTTTTTACCCCTT
1808/841	AAACCACGCAAATGGCGATACCAT	ATGGTATCGCCATTTGCGTGGTTT
1809/842	CAGAAGGGATGACGCCTTAAGTCG	CGACTTAAGGCGTCATCCCTTCTG
1810/843	CATGACGAGAGCGGACCTGAAGTG	CACTTCAGGTCCGCTCTCGTCATG
1811/844	CTGGACATGTTTGTTCGCCACTG	CAGTGGCGAAACAAACATGTCCAG
1812/845	AAGACCGACTCTCGTCGTTTGCAC	GTGCAAACGACGAGAGTCGGTCTT
1813/846	GCGCGATTACATACCGTTTCCGTA	TACGGAACGGTATGTAATCGCGC
1814/847	CACTGACCGGACCCAAACCTAACAT	ATGTTAGGTTGGGTCCGGTCAGTG
1815/848	AGTGCAAGTCTAGACACGCCCGAG	CTCGGGCGTGTCTAGACTTGCACT
1816/849	GGTTGGTGCGAGATCCTGGACTGT	ACAGTCCAGGATCTCGCACCAACC
1817/850	GGTCGTCCCGAAACGTAAACGAGG	CCTCGTTTACGTTTCGGGACGACC
1818/851	GACTAGTACGATCACGGGGCGGGT	ACCCGCCCCGTGATCGTACTAGTC
1819/852	CCGACCTGACCCTGTGTACAGGTT	AACCTGTACACAGGGTCAGGTCGG
1820/853	TGCTCACTGCCCACACTGTTATGG	CCATAACAGTGTGGGCAGTGAGCA
1821/854	CGAGGAAACACATTTCTTCGGGCC	GGCCCGAAGAAATGTGTTTCCTCG
1822/855	TGGCACCGGGTGGATTCTTGTCTA	TAGACAAGAATCCACCCGGTGCCA
1823/856	GAGGCACGGTGATAGTGGTTGTGC	GCACAACCACTATCACCGTGCCTC
1824/857	ATGCAGATGGATCTTTTTCGACGC	GCGTCGAAAAAGATCCATCTGCAT
1825/858	TGCGATAGCCAAAGAGTCGAGGAC	GTCCTCGACTCTTTGGCTATCGCA
1826/859	ATGGCGTGTGAGCGAACTGCCTGG	CCAGGCAGTTCGCTGACACGCCAT
1827/860	CAATGCAGCTCGGAAGTCAGGTCG	CGACCTGACTTCCGAGCTGCATTG
1828/861	AGGATCAGTGACATGTCCCCTCA	TGAGGGGACATGTGCACTGATCCT
1829/862	CACATCTTGGCTGTCACCCGAGAA	TTCTCGGGTGACAGCCAAGATGTG
1830/863	CGCATTATCACCTCAATGCCAGTG	CACTGGCATTGAGGTGATAATGCG
1831/864	ACATCCGCAGACTCCCTATAGCCC	GGGCTATAGGAGTCTGCGGATGT
1832/865	GTGAACCCGAACGAGGGGAGTCTC	GAGACTCCCCTCGTTCCGGTTTAC
1833/866	GCGTAGGGAATTTGCCTCACGACT	AGTCGTGAGGCAAATTCCTACGC
1834/867	TTTACGCGTCGCTCGGTTGTAGTG	CACTACAACCGAGCGACGCGTAAA
1835/868	GAGAGGCGTCTAGGCGGTTCTAGC	GCTAGAACCGCCTAGACGCCTCTC
1836/869	GCATGCTGATAACGAATGCTTCCC	GGGAAGCATTGTTATCAGCATGC
1837/870	CTGAAGCTCGTGTGCGATGAGGGA	TCCCTCATCGCACACGAGCTTCAG
1838/871	ACAACGGCATGAGGAGGCTTTTTC	GAAAAAGCCTCCTCATGCCGTTGT
1839/872	TTTGGAGACGCCAGTACGCGTGGT	ACCACGCGTACTGGCGTCTCCAAA
1840/873	GCTATCATTTGGTGTAAGCCCGCC	GGCGGGCTTACACCAAATGATAGC
1841/874	TCAACATCCAGGGCGGTGCTTGGT	ACCAAGCACCGCCCTGGATGTTGA

1842/875	TTCGATGTAATCCCCAAAGATGCC	GGCATCTTTGGGGATTACATCGAA
1843/876	GGACCTTCGGCAGGTTATCGCCGT	ACGGCGATAACCTGCCGAAGGTCC
1844/877	AGTAAGAAGAGGCAGGCCCCACCT	AGGTGGGGCCTGCCTCTTCTTACT
1845/878	AACGGCTCCCCGTCGTA CTGCTTA	TAAGCAGTACGACGGGGAGCCGT
1846/879	CCTATACCGTCGTGGTTCCACGTT	AACGTGGAACCACGACGGTATAGG
1847/880	CCGCGCAGGCGCTAATACTCAAGG	CCTTGAGTATTAGCGCCTGCGCGG
1848/881	AAATGGGCCAGTGAAATCCTTGGT	ACCAAGGATTTCCTGCGCCCATTT
1849/882	ACGGTTTCGAATACTGCTGGGCAG	CTGCCCAGCAGTATTCGAAACCGT
1850/883	CCGCTTGAGGTT CAGGTCAGAGCT	AGCTCTGACCTGAACCTCAAGCGG
1851/884	ATCGTGCCCGAAGACACTTAAACG	CGTTTAAGTGTCTTCGGGCACGAT
1852/885	ACCTGAACCAGGGCGATTGCTTTA	TAAAGCAATCGCCCTGGTTCAGGT
1853/886	ACCCTATACGCTGGGCTAAGCGGG	CCCGCTTAGCCAGCGTATAGGGT
1854/887	TGTTTCGCGACTAGAAGCCTTTGC	GCAAAGGCTTCTAGTCGCGAAACA
1855/888	GAAGTTGGCGGCTCACCCGTATTA	TAATACGGGTGAGCCGCCAACTTC
1856/889	TGGCTACACCGCTTAGGAGGAACC	GGTTCCTCCTAAGCGGTGTAGCCA
1857/890	CCACAGTTGCGTGACTTACATCGC	GCGATGTAAGTCACGCAACTGTGG
1858/891	ACTGCCACTGCGTCTGAAGAGTGG	CCACTCTTCAGACGCAGTGGCAGT
1859/892	GCGCCAGCAAATTTCTGTGTGGTGT	ACACCACACGAAATTTGCTGGCGC
1860/893	TGCCTCCGTCGAGCCGAATAGCCA	TGGCTATTCTGGCTCGACGGAGGCA
1861/894	GTACAAACGGGCGCTATTTCTGCC	GGACGAAATAGCGCCCGTTTGTAC
1862/895	GCTTCCCTGGCTCTGAACGGAAAC	GTTTCCGTT CAGAGCCAGGGAAGC
1863/896	CGGCTACCCAGGCAGATAAGCTGA	TCAGCTTATCTGCCTGGGTAGCCG
1864/897	GGTTGGACCCGACAGGGAATTTCC	GGAAATTCCCTGTCGGGTCCAACC
1865/898	GGGGAATACCCGGCGTTTGTAAATA	TATTACAAACGCCGGGTATTCCCC
1866/899	TGGTTCGGTGAGGTTATGTTCCGT	ACCGAACATAACCTCACCGAACCA
1867/900	TCGGTAGGGTTCAGTCGCTGAGGA	TCCTCAGCGACTGAACCCTACCGA
1868/901	TTCCGAGTGTCGCGGTGCTAGTAC	GTA CTAGCACCGGCACACTCCGAA
1869/902	TCGTACTGGAATGATGGCCGGGCC	GGCCCGGCCATCATTCCAGTACGA
1870/903	TCCGTCGACCGTCCAGCGAAGTTT	AAACTTCGCTGGACGGTTCGACGGA
1871/904	AGGGAATATAACAACACCGCGCAC	GTGCGCGGTGTTGTTATATTCCCT
1872/905	ATGTCCC GGAAACCAGCTACCTCA	TGAGGTAGCTGGTTTCCGGGACAT
1873/906	ACCAGCGACTTAGATAGCCGTCCG	CGGACGGCTATCTAAGTCGCTGGT
1874/907	GGAAAACCTCCTTTGCGTCAACCA	TGGTTGACGCAAAGGAGGTTTTCC
1875/908	ACGTGCGTGCATACCCAAGAGGAC	GTCCTCTTGGGTATGCACGCACGT
1876/909	ACGCCACTTTCCCTAGAACCAACG	CGTTGGTTCTAGGGAAAGTGCCGT
1877/910	CGAAGTACGCAATAGTGCCACCCT	AGGGTGGCACTATTGCGTACTTCG
1878/911	GATCCCGGCGGATCACCTATCAAT	ATTGATAGGTGATCCGCCGGGATC
1879/912	AGAAAGCGACCGTTTCAGGCTAGC	GCTAGCCTGAAACGGTCGCTTTCT
1880/913	CGCTCCCTTT CATAGTCCTCTCCG	CGGAGAGGACTATGAAAGGGAGCG
1881/914	GTGGGTGGTCATAACGACAGCAGA	TCTGCTGTCGTTATGACCACCCAC
1882/915	CTGGAGGCTGCATCGTTCGTAACA	TGTTACGAACGATGCAGCCTCCAG

1883/916	CACCATGAGTTTCGGAGCGAGGAT	ATCCTCGCTCCGAAACTCATGGTG
1884/917	CAAGCTGCGTTCGATGAGAGATTG	CAATCTCTCATCGAACGCAGCTTG
1885/918	CCTGGGAGCAATGACCGCTCTGGT	ACCAGAGCGGTCATTGCTCCCAGG
1886/919	TCCGGCGCTCTACCAAGATGAGAC	GTCTCATCTTGGTAGAGCGCCGGA
1887/920	CGACCGCGTCGCGTATACTATCCG	CGGATAGTATACGCGACGCGGTGCG
1888/921	AACATTCGCTAGTGGGGTCCAACA	TGTTGGACCCCACTAGCGAATGTT
1889/922	TGTATGATCATCCGACCGAGCAGC	GCTGCTCGGTGCGATGATCATACA
1890/923	AGTGCGCCGAGAGGGTGAATAGAC	GTCTATTCAACCCTCTCGGCGCACT
1891/924	AGGCTTGTTCTGGACCAGCACCAT	ATGGTGCTGGTCCAGAACAAGCCT
1892/925	GGGGCCACATAAAGAATTCCGAAC	GTTCCGAATTCTTTATGTGGCCCC
1893/926	TGGTGAAGATAAATCCGCATGGCA	TGCCATGCGGATTTATCTTCACCA
1894/927	ATTTCCACCACGCTCTTGCCAAAT	ATTTGGCAAGAGCGTGGTGGAAT
1895/928	CGCGTAAAGCTGTCACCGATGACC	GGTCATCGGTGACAGCTTTACGCG
1896/929	TCCCCAACCGGTAACAACAGCGAC	GTCGCTGTTGTTACCGGTTGGGGA
1897/930	CCTCTGCTCGCCTTACACCCATGG	CCATGGGTGTAAGGCGAGCAGAGG
1898/931	CAAGCTGCTCCTGTGCTGAAGGGC	GCCCTTCAGCACAGGAGCAGCTTG
1899/932	AAACGAACGATGGTCGGTAGACCG	CGGTCTACCGACCATCGTTCGTTT
1900/933	TCAGTTCGATGGCTATTGCGCCTC	GAGGCGCAATAGCCATCGAACTGA
1901/934	GGCTCTCAACGGACGCAAATCATA	TATGATTTGCGTCCGTTGAGAGCC
1902/935	AGTAGAGTGTTGCGGCTGCCGATC	GATCGGCAGCCGCAACACTCTACT
1903/936	AGACACTAGACCGCCGTGACCTGA	TCAGGTCACGGCGGTCTAGTGTCT
1904/937	ACCGAGCACCGAATTTCTTGTC	GGACAAGGAAATTCGGTGCTCGGT
1905/938	CCGTGGCCAAGATACGAACGAATT	AATTCGTTGCTATCTTGGCCACGG
1906/939	CCTCCTACAGCATCCACATGAGGG	CCCTCATGTGGATGCTGTAGGAGG
1907/940	CACCTCGGCAATACGTATGCGCAT	ATGCGCATACGTATTTGCCGAGTG
1908/941	ACCGAGTTGAAGCACGAATTTGGG	CCCAAATTCGTGCTTCAACTCGGT
1909/942	GACCACCTCGGAAGATCGTTCTGC	GCAGAACGATCTTCCGAGGTGGTC
1910/943	TCAACTGGGCAAACGAAGAGCACA	TGTGCTCTTCGTTTGCCAGTTGA
1911/944	GCTTAGCCTCACACGTGCATACCA	TGGTATGCACGTGTGAGGCTAAGC
1912/945	CTGCGGTCTCCAAGTACCATTTG	CGAAATGGTACTTGAGACCGCAG
1913/946	GTTCCGTATTACGGCGGCCATAAG	CTTATGGCCGCCGTAATACGGAAC
1914/947	ATCGACGCAACCGGATAGTCTCTG	CAGAGACTATCCGGTTGCGTCGAT
1915/948	CGCAGATAAACCGGCATCTTTCAG	CTGAAAGATGCCGGTTTATCTGCG
1916/949	ACCTGCCAATACGGGTCTACGGTT	AACCGTAGACCCGTATTGGCAGGT
1917/950	ACACCTGTTGCCATGCTGATCCGT	ACGGATCAGCATGGCAACAGGTGT
1918/951	AAACTGTCTACTGCGCAATTCCGC	GCGGAATTGCGCAGTAGACAGTTT
1919/952	GCAACTAGCCCGTGCTAGGATCGT	ACGATCCTAGCACGGGCTAGTTGC
1920/953	TCGTAGTGGTGGATTGTTGTGCGT	ACGCACAACAATCCACCACTACGA
1921/954	GGCTTACTCCTCAATTGCGACACG	CGTGTCGCAATTGAGGAGTAAGCC
1922/955	CACGACTCCCTGCCAGATTTGATT	AATCAAATCTGGCAGGGAGTCGTG
1923/956	CTTAGACGTCGGCAATGTCACGTC	GACGTGACATTGCCGACGTCTAAG

1924/957	CTCAGAGCACAATCTGCCCTGCCT	AGGCAGGGCAGATTGTGCTCTGAG
1925/958	GCTAGGAAAGTCGGCATTTCATGGG	CCCATGAATGCCGACTTTCCTAGC
1926/959	AAAGCCCCAAAATTCGCCTAACC	GGTTAGGCGGAATTTGGGGCTTT
1927/960	GCGCAACGCTAAGGGACTATCAAG	CTTGATAGTCCCTTAGCGTTGCGC
1928/961	CGTCCGCTGGGATGAGTCTCCTGC	GCAGGAGACTCATCCCAGCGGACG
1929/962	ACAGGCCTCGTGATTGGTGTGGGT	ACCCACACCAATCACGAGGCCTGT
1930/963	CATTCTCCTTCCGGGACCACGCCT	AGGCGTGGTCCCGGAAGGAGAATG
1931/964	TCGGAGTTGACCAAGCTCAGTGCG	CGCACTGAGCTTGGTCAACTCCGA
1932/965	ACGCGCCACTGCAATTGCAAACAC	GTGTTTGCAATTGCAGTGCGCGCT
1933/966	AGTTCATGGAGCCGGCGTATTGTT	AACAATACGCCGGCTCCATGAACT
1934/967	ACGTTTAATGCGGGGCCCGCCTAC	GTAGGCGGGCCCCGCATTAAACGT
1935/968	TGAGGCTTTAGCCTACGCGCAGGT	ACCTGCGCGTAGGCTAAAGCCTCA
1936/969	CAGCGTTATGAGCGCGGAGTTTAT	ATAAACTCCGCGCTCATAACGCTG
1937/970	GTCCACGTGACCACGGATAGTTGG	CCAACTATCCGTGGTCACGTGGAC
1938/971	GATTATGCTCCTACGCCTGCTCCG	CGGAGCAGGCGTAGGAGCATAATC
1939/972	TCGTCAAGGGCATGATGTGTGGGA	TCCACACATCATGCCCTTGACGA
1940/973	GATGGACCGCCAAAGACACCTTGA	TCAAGGTGTCTTTGGCGGTCCATC
1941/974	TACACGAGGATGGGGTCAAGCTTT	AAAGCTTGACCCCATCCTCGTGTA
1942/975	ACACGCACAAAACGTTTGAAAGGC	GCCTTTCAAACGTTTTGTGCGTGT
1943/976	GTTATCGTGGGCCGATGGTACTGA	TCAGTACCATCGGCCACGATAAC
1944/977	ACATGACCGTATCCGCCTGCTTCG	CGAAGCAGGCGGATACGGTCATGT
1945/978	GAAGGCGAACCCTGAACTACGC	GCGTAGTTTCAGTGGTTTCGCCTTC
1946/979	TGACTTTTGCAACGGGTGGAACCA	TGGTTCCACCCGTTGCAAAAGTCA
1947/980	TGAATTCGTAGTTTTTGGGTGCGG	CCGCACCCAAAACCTACGAATTCA
1948/981	AGCATTTATGAAGCGGCCATTGCG	CGCAATGGCCGCTTCATAAATGCT
1949/982	TGCTCCTCGCGTTGGTACCGTGAG	CTCACGGTACCAACGCGAGGAGCA
1950/983	CGCAGCAAGAAACAGCAACTGTTG	CAACAGTTGCTGTTTCTTGCTGCG
1951/984	AGACGCTTGGAGTGAAACTCGGA	TCCGAGTTTTCACTCCAAGCGTCT
1952/985	CATTCTGTAGAATGCCCCAAATGGA	TCCATTTGGGGCATTCTACGAATG
1953/986	CCAGAAGGTTCCGGGACCCGTCTGTG	CACGACGGGTCCCGAACCTTCTGG
1954/987	GAGAAGCCGGTTCTCAGAGCACAT	ATGTGCTCTGAGAACCGGCTTCTC
1955/988	TTGCGTTGCAAGATATCTGGCCCG	CGGGCCAGATATCTTGCAACGCAA
1956/989	GGGTTGCATGTTCAAGCAAGACGA	TCGTCTTGCCTGAACATGCAACCC
1957/990	CTCACGAAGGTGACATATCACGCC	GGCGTGATATGTCACCTTCGTGAG
1958/991	GCCCGAGATACGGGTTCAAAAAGA	TCTTTTGAACCCGTATCTCGGGC
1959/992	CATCTTCGCGCTTCTTCACTCCGC	GCGGAGTGAAGAAGCGCGAAGATG
1960/993	TTACACGGTAAGCGTACGGCCGCC	GGCGGCCGTACGCTTACCGTGTA
1961/994	ACCTTCGGACAATGTGGCGTTTCGC	GCGAACGCCACATTGTCCGAAGGT
1962/995	TGAATGGTTCTGCTAGGCCACAC	GTGTGGGCCTAGCAGAACCATTCA
1963/996	CACGCCTGTCTGACATATGGATGC	GCATCCATATGTCAGACAGGCGTG
1964/998	CGCCTCAACCCAATCTGAGAACGT	ACGTTCTCAGATTGGGTTGAGGCG

1965	199	TTACGCTTACTGCGAGCTGGGTCC	GGACCCAGCTCGCAGTAAGCGTAA
1966	200	GGCTTGTGGGGCAATACGCATCTT	AAGATGCGTATTGCCCCACAAGCC
1967	201	CACTCTCCTTTGGATGCGGAACAA	TTGTTCCGCATCCAAAGGAGAGTG
1968	202	GACCAGCCATCACGTAACGGCCCT	AGGGCCGTTACGTGATGGCTGGTC
1969	203	AGGAACCGGATGTGGTTATGGAGC	GCTCCATAACCACATCCGGTTCCT
1970	204	ATCCATGGGCAACTGAGCCTATGC	GCATAGGCTCAGTTGCCCATGGAT
1971	205	GGAACAGCACTTGTTACCGCCAC	GTGGGCGGTAACAAGTGCTGTTCC
1972	206	TGGCTCGCTTCAAGCCTGTTTGCT	AGCAAACAGGCTTGAAGCGAGCCA
1973	207	CAAACGTGAGGTCATGACCACCAT	ATGGTGGTCATGACCTCACGTTTG
1974	208	ACCGATGTCTTGAAGTCCGGAGGT	ACCTCCGGACTTCAAGACATCGGT
1975	209	CGAAAATGCATGATGATCTCCCT	AGGGGAGATCATCATGCATTTTCG
1976	210	TTTGGTATTCTCGCTGCACCGTTG	CAACGGTGCAGCGAGAATACCAA
1977	211	GCGTACTCAACCACATTCCCGACC	GGTCGGGAATGTGGTTGAGTACGC
1978	212	AGCAAACAACAGCGGTCCGAGCAT	ATGCTCGGACCGCTGTTGTTTGCT
1979	213	GGACTAGGAGCGGGGATAGCTGAG	CTCAGCTATCCCCGCTCCTAGTCC
1980	214	CCTTAACGAAAACCTGTCGACCGC	GCGGTCGACAGGTTTTCTGTTAAGG
1981	215	CTCGATCGCATAAGCAAGAAACCG	CGGTTTCTTGCTTATGCGATCGAG
1982	216	CCCGTTGTTTGGGCGACAAAAGT	ACTTTTTGTCGCCCCAAACAACGGG
1983	217	CGGCGGCTCTCGCATGATCTCGTT	AACGAGATCATGCGAGAGCCGCCG
1984	218	CGGATGGAGAGGAGTCTACGTCCC	GGGACGTAGACTCCTCTCCATCCG
1985	219	CAGAACAATATCGTGCGTCAACCG	CGGTTGACGCACGATATTGTTCTG
1986	220	CCTTTGCGCGCTCCGAGTAAGGTA	TACCTTACTCGGAGCGCGCAAAGG
1987	221	GGAAACGGCACCTATCTGTCGTGA	TCACGACAGATAGGTGCCGTTTCC
1988	222	CGACCGACAAAACCAAATGCCGCC	GGCGGCATTTGGTTTTGTCGGTCCG
1989	223	CCAAGGGTGTGGGAGCTGAAGAGA	TCTCTTCAGCTCCACACCCCTTGG
1990	224	TTAAGTGCGCATAGTCCTCGTGGG	CCCACGAGGACTATGCGCACTTAA
1991	225	GCCTGGTGGGGTAAGTCATGATGC	GCATCATGACTTACCCACCAGGC
1992	226	GAGCAGCAGATTGATGCGCTTATG	CATAAGCGCATCAATCTGCTGCTC
1993	227	TGCGCCAACCTCCGGAATATTTGC	GCAAATATTCCGGAAGTTGGCGCA
1994	228	AACCCCATCATGAAATGCTCTCCG	CGGAGAGCATTTCATGATGGGGTT
1995	229	GTCCAACGGTACTGGCGTGATGTT	AACATCACGCCAGTACCGTTGGAC
1996	230	ACTCGGCTGATCGTGAGATGGTGA	TCACCATCTCACGATCAGCCGAGT
1997	231	ATTCTGTTGGGCGCATCTCGGAATGT	ACATTCCGAGATGCGCCCACGAAT
1998	232	TCCCGTCCTGTAATCCAGGGAACA	TGTTCCCTGGATTACAGGACGGGA
1999	233	CTTCGCTGCACCTACATTGCGCCA	TGGCGCAATGTAGGTGCAGCGAAG
2000	234	GCGTGTAGATGACTGTGCTTTGGG	CCCAAAGCACAGTCATCTACACGC
2001	235	CTATGGTATCGAGACATCGGCGGA	TCCGCCGATGTCTCGATACCATAG
2002	236	CCTCGTACTCCGTCGTATGCACAA	TTGTGCATACGACGGAGTACGAGG
2003	237	TGGTGCCTCCGTAGTGCCTGCACT	AGTGCAGGCACTACGGACGCACCA
2004	238	CGCGATCCTAGTTGAAAGCTTTGC	GCAAAGCTTTCAACTAGGATCGCG
2005	239	ACGATCCAGGTGTTGGGCACTAAG	CTTAGTGCCCAACACCTGGATCGT

2006 2041	CCAATCTAGGATACACCACGCCCG	CGGGCGTGGTGTATCCTAGATTGG
2007 2042	GATACGTGGGGTATAGGCGGGCCC	GGGCCCCCCTATACCCACGTATC
2008 2043	CATGGAACAAACCGTCGTAGGGGA	TCCCCTACGACGGTTTGTTCATG
2009 2044	ACACTCGCGCAGTATTCGAGTCGT	ACGACTCGAATACTGCGCGAGTGT
2010 2045	CTCAGTCTCGAAGGTGATCCGACC	GGTCGGATCACCTTCGAGACTGAG
2011 2046	TCCCAATCCCCGTGGTATCGTCGT	ACGACGATACCACGGGGATTGGGA
2012 2047	AATCAACGTAGTTCGGGTGGTCCG	CGGACCACCGGAACTACGTTGATT
2013 2048	CTTAACAACCCAGGGGTTTGGGCT	AGCCCAAACCCCTGGGTTGTAAAG
2014 2049	CTACCGCTGCATGGCGTTAGATTG	CAATCTAACGCCATGCAGCGGTAG
2015 2050	TTATTGGTGGCGGACGGAGTGAGT	ACTCACTCCGTCCGCCACCAATAA
2016 2051	TTAAGGGTGAACCTCAACCGCGTGA	TCACGCGGTTGAGTTCACCCCTAA
2017 2052	TTTGATTGAAACGCTGCGCACTAC	GTAGTGCGCAGCGTTTCAATCAAA
2018 2053	TCATGTGTAGGTCGCGGCCGTCAC	GTGACGGCCGCGACCTACACATGA
2019 2054	CTCCGAACCTTCTGGGCCTCTTTT	AAAAGAGGCCCAAGGTTTCGGAG
2020 2055	CTGTTGCCCATTTGGCCCGACACTC	GAGTGTGCGGCCAATGGGCAACAG
2021 2056	CACGATCGCTGAGCAACACATCAC	GTGATGTGTTGCTCAGCGATCGTG
2022 2057	CGGATCATAAGCGTCCGCCTTCGT	ACGAAGGCGGACGCTTATGATCCG
2023 2058	AGGTAAACGCAACATGTGATCCGC	GCGGATCACATGTTGCGTTAACCT
2024 2059	GGGAAAAACAGCTAAGCCTTGCGA	TCGCAAGGCTTAGCTGTTTTTCCC
2025 2060	ACTTATTGCCGGGATCCGTACACA	TGTGTACGGATCCCGGCAATAAGT
2026 2061	TGCGGTCTGGAAAGGAAGGGAGGG	CCCTCCCTTCCTTTCCAGACCGCA
2027 2062	GCTGCCACCTGGACATCGCATACA	TGTATGCGATGTCCAGGTGGCAGC
2028 2063	GCAGGCATGACAGTGGCGTAGTAC	GTACTACGCCACTGTCATGCCTGC
2029 2064	GCGGCCCTGATGGTTTGGCTGAGC	GCTCAGCCAAACCATCAGGGCCGC
2030 2065	TCCCCATTTAGTCCCCTCCATCAC	GTGATGGAGGGGACTAAATGGGGA
2031 2066	GCAACACAAATGCGAGCGTAGGAG	CTCCTACGCTCGCATTTGTGTTGC
2032 2067	GGCGTTTGTATTCGAGCCACGTAG	CTACGTGGCTCGAATACAAACGCC
2033 2068	GGTAACGTGCGACGTGGAATTCCG	CGGAATTCCACGTGCGACGTTACC
2034 2069	ACTTCACAACGCTCCGTTGGACAC	GTGTCCAACGGAGCGTTGTGAAGT
2035 2070	CCGAATTATAAAGCGCAAGGCACA	TGTGCCTTGCGCTTTATAATTCCG
2036 2071	GGACCCGATAAGACTCTGACGCCG	CGGCGTCAGAGTCTTATCGGGTCC
2037 2072	ACCCGTTTCTCGTAGGAACCTGCT	AGCAGGTTCTACGAGAAACGGGT
2038 2073	CACGTTTCGACTGTATCTGGTTGCC	GGCAACCAGATACAGTCGAACGTG
2039 2074	CCTCGGATGGGCCCATGACCTTGA	TCAAGGTCATGGGCCCATCCGAGG
2040 2075	GGACGCTGCTGTAGGGGTTTGAT	ATCAAACCCCTACAGCAGGCGTCC
2041 2076	CTCGAGCGTGGGCTAAAAGAGCAT	ATGCTCTTTTAGCCCACGCTCGAG
2042 2077	TTTACTTCTTAGGGCGCGTTTGGG	CCCAAACGCGCCCTAAGAAGTAA
2043 2078	ACCACCAACATAGCGCGCACTAGT	ACTAGTGCGCGCTATGTTGGTGGT
2044 2079	TGGTTACACGGCAGCCCGCGTAAG	CTTACGCGGGCTGCCGTGTAACCA
2045 2080	TTATGGTACGTTGCTGCGTGCGGG	CCCGCACGCAGCAACGTACCATAA
2046 2081	ACGCGGATCTAACGAATCCCAT	AATGGGATTCGTTAGATCCGCGGT

2047 2083	CATGATCCCGCCCTTAGGTTAAGC	GCTTAACCTAAGGGCGGGATCATG
2048 2084	TACCGCTTCAAAGGGTTGCCGAAT	ATTCGGCAACCCTTTGAAGCGGTA
2049 2085	GCACCGCGTCAATATTACCGAGGA	TCCTCGGTAATATTGACGCGGTGC
2050 2086	GTGTCGCGGCTTTACAGAAGGAGA	TCTCCTTCTGTAAAGCCGCGACAC
2051 2087	GCAAGCCATACCGCAATAAACTCG	CGAGTTTATTGCGGTATGGCTTGC
2052 2088	ATGAGGTCGTGCTGCGTTCACGAG	CTCGTGAACGCAGCACGACCTCAT
2053 2089	CGAGACTAGTGCCGATGCAGGGTA	TACCCTGCATCGGCACTAGTCTCG
2054 2090	GCCTCATCATAGACGCTGGATGCA	TGCATCCAGCGTCTATGATGAGGC
2055 2091	GACAGGCGTCGGTAAGCTCTCAAG	CTTGAGAGCTTACCGACGCCTGTC
2056 2092	GCTACGAATCTTCCCTGTGCGCCAC	GTGGCGACAGGGAAGATTTCGTAGC
2057 2093	TTTGGCAGAACGTACCAGTGGGGT	ACCCCACTGGTACGTTCTGCCAAA
2058 2094	GGACAATAAGCACCGGAGAATGCG	CGCATTCTCCGGTGCTTATTGTCC
2059 2095	TCATGAACCTTCTGATGCCGCGAA	TTCGCGGCATCAGAAGGTTTCATGA
2060 2096	CGCCGCATTACCTTAAAACGTGC	GCACGTTTTTAAGGTAATGCGGCG
2061 2097	ACGAGTCCAACCGCCTCATTGATT	AATCAATGAGGCGGTTGGACTCGT
2062 2098	GCGAAGAGTTGCTACTCTTCCGCC	GGCGGAAGAGTAGCAACTCTTCGC
2063 2099	CGTCGGCAACAATCTTTTTCGTGA	TCACGAAAAAGATTGTTGCCGACG
2064 2100	AATCCTGTGCACCCGTGAGACGCG	CGCGTCTCACGGGTGCACAGGATT
2065 2101	AACCTATATGCATCAACGCGAGCC	GGCTCGCGTTGATGCATATAGGTT
2066 2102	GAACCTGGCAAAACAGCCCGGAAA	TTTCCGGGCTGTTTTGCCAAGTTC
2067 2103	CTCTATGGCCGTTTGCCGTCTGCA	TGCAGACGGCAAACGGCCATAGAG
2068 2104	AGTGCACCGGGTTGTGGACACAAT	ATTGTGTCCACAACCCGGTGCACT
2069 2105	CCTGGCTTTTCACACGCCAAGAAA	TTTCTTGGCGTGTGAAAAGCCAGG
2070 2106	CACTCAGCGTAGCCTGAAGCCTGG	CCAGGCTTCAGGCTACGCTGAGTG
2071 2107	GAATTATCGACCGCAGCGGTGTGCG	CGACACCGCTGCGGTCGATAATTC
2072 2108	GTGACATCACATGGTGGCCGAGCG	CGCTCGGCCACCATGTGATGTACAC
2073 2109	AGCACCTTGCCGAGTCACCAAGTGA	TCACTGGTGACTCGGCAAGGTGCT
2074 2110	TAGGTTGCAGGAATGGTGGGCACC	GGTGCCCAACCTCCTGCAACCTA
2075 2111	GTCCCATACGTGTGGTACGCGGAT	ATCCGCGTACCACACGTATGGGAC
2076 2112	TCGGATACTCTCGCGTGCCACGGG	CCCGTGGCACGCGAGAGTATCCGA
2077 2113	CAACGTTGCCCCCTAAGCCCAAAT	ATTTGGGCTTAGGGGCGAACGTTG
2078 2114	GTTAGGTCACCGCGGCATATCCTA	TAGGATATGCCGCGGTGACCTAAC
2079 2115	GTTACCGGCCTCTACTTGGGTTT	AAACCCAAGTAGAGGGCCGGTGAAC
2080 2116	AATCCGCGTCTAGGTCATGTGGTC	GACCACATGACCTAGACGCGGATT
2081 2117	GCTACGCCTCTGGAGGTGGTACCC	GGGTACCACCTCCAGAGGCGTAGC
2082 2118	CAGGGAATGCTACAAAGGGTCCAA	TTGGACCTTTGTAGCATTCCCTG
2083 2119	AAGGGTTAGCTGCCCGGTAAACAG	CTGTTAACCAGGGCAGCTAACCTT
2084 2120	CCTCGCAAGCGCGATATTTATGCC	GGCATAAATATCGCGCTTGCGAGG
2085 2121	GCCTCCCGGTCATGGTCAAGGGAA	TTCCCTTGACCATGACCGGGAGGC
2086 2122	GCTGTTGAGCGGCGACCTGTGCAC	GTGCACAGGTCGCCGCTCAACAGC
2087 2123	CGCTGACTTAGCTCTGATGTGCCG	CGGCACATCAGAGCTAAGTCAGCG

2088 2124	TTCATGGCATTTCATCACGAAGGAA	TTCCTTCGTGATGAATGCCATGAA
2089 2125	TAGTGTTATGCCCCGCGTGTGAATG	CATTCACACGCGGGGCATAACAATA
2090 2126	CATGTAAGGGCACGGTCGTGGGCA	TGCCACGACCGTGCCCTTACATG
2091 2127	CAGGAAGCTCGCTCCGTGATGCAC	GTGCATCACGGAGCGAGCTTCCTG
2092 2128	CCTGCTGATAGCAACCTCACTGCA	TGCAGTGAGGTTGCTATCAGCAGG
2093 2129	ACTACGAGGGGGCAGGGTCTAGGCG	CGCCTAGACCCTGCCCTCGTAGT
2094 2130	CATAATGTGGGTGCTGACGCCGAT	ATCGGCGTCAGCACCCACATTATG
2095 2131	TAGCGAATCCACACAGAGCCGCTC	GAGCGGCTCTGTGTGGATTGCTA
2096 2132	TCGCGAAATCCCTAAATCCTGTGC	GCACAGGATTTAGGGATTTGCGGA
2097 2133	TGGCACGAATCAAGCCACCAACTC	GAGTTGGTGGCTTGATTGCTGCCA
2098 2134	GCGGACCGTCTTTGCTATCTGACG	CGTCAGATAGCAAAGACGGTCCGC
2099 2135	AGGCCCCGCCTTGTAATTGGTCAT	ATGACCAATTACAAGCGGGGCCT
2100 2136	CTGGTCCCATACGCCGCTGACTAG	CTAGTCAGCGGCGTATGGGACCAG
2101 2137	TGCTAACTGCGGCCCTACAGAGTC	GACTCTGTAGGGCCGCAGTTAGCA
2102 2138	TGGTTTTATGTTGCGGTAGCGTCCG	CGGACGCTACCGAACATAAAACCA
2103 2139	AGCTCAAACCTTCTCCACGGGATG	CATCCCGTGGGAGAAGTTTGAGCT
2104 2140	CGCGAAGATAGTGAAATCCGCATC	GATGCGGATTTCACTATCTTCGCG
2105 2141	GAGTGAAACCTCTCGCGGGTTGCA	TGCAACCCGCGAGAGGTTTCACTC
2106 2142	TCGAATGCTCTGCAGTGACGTCAA	TTGACGTCACTGCAGAGCATTGCA
2107 2143	AGGTGGCAATGATCGACGACCCTG	CAGGGTCGTGATCATTGCCACCT
2108 2144	GTCCGGAGCCGTGCAAAGCAATAA	TTATTGCTTTGCACGGCTCCGGAC
2109 2145	CTTTTGGGATTAGAGGCCGACAA	TTGTCGGCCTCTAATCCCCAAAAG
2110 2146	GGCATAAAGGCTTCCGTTCTGTGC	GACAGGAACGGAAGCCTTTATGCC
2111 2147	GCGGACCGTAAAGCGGGCAGATAG	CTATCTGCCCGCTTTACGGTCCGC
2112 2148	TTTCAAGAGTGCATCGAATCCACG	CGTGGATTGATGCACTCTTGAAG
2113 2149	CCGGCATCCCTTCTCGCTGTTGCC	GGCAACAGCGAGAAGGGATGCCGG
2114 2150	ACACAGAGACGCGAACGGAGTGCA	TGCACTCCGTTGCGCTCTCTGTGT
2115 2151	AGCGGCATTCTCCCACTCGTTACT	AGTAACGAGTGGGAGAATGCCGCT
2116 2152	GGAGCGTACTGCGCCTCGCAAGTC	GACTTGCGAGGCGCAGTACGCTCC
2117 2153	AAACCCGAATGACACGGCAGATAA	TTATCTGCCGTGTATTGCGGTTT
2118 2154	AACCAGCGGATCGATAAAACGACA	TGTCGTTTTATCGATCCGCTGGTT
2119 2155	GGTGTCCACCCGTTAACGCCGGTA	TACCGGCGTTAACGGGTGGACACC
2120 2156	AGCGCGACGTGGCTTGCCGTTAAA	TTTAACGGCAAGCCACGTCGCGCT
2121 2157	TCCCACGGCTATAGGTCCAACGAC	GTCGTTGGACCTATAGCCGTGGGA
2122 2158	ATCAACGAACGATGCCGTTAGGTG	CACCTAACGGCATCGTTGTTGAT
2123 2159	GAGGCTAAGCCGTATGGCCGAGGC	GCCTCGGCCATACGGCTTAGCCTC
2124 2160	ACGGTCCGAAATGGTTAGAGGCAC	GTGCCTCTAACCATTTCGGACCGT
2125 2161	ACGCAAACCATTCCTCGAGTAGGC	GCCTACTCGAGGAATGGTTTTCGT
2126 2162	TTACACGCTCGCTATTGGGCCATA	TATGGCCCAATAGCGAGCGTGTA
2127 2163	CTCGGCACGGGTTTAGAACGCCGG	CCGGCGTTCTAAACCCGTGCCGAG
2128 2164	ATTCGGTAAGGTATCGGGCTAGCG	CGCTAGCCCCGATACCTTACCGAAT

2129 2166	AGCACACCGTTATACATGACGGCG	CGCCGTCATGTATAACGGTGTGCT
2130 2167	AGTCCCTGCCGTTTCGCTCATGGAA	TTCCATGAGCGAACGGCAGGGACT
2131 2168	GGGCTTATGACCAGTCAGGTTGGA	TCCAACCTGACTGGTCATAAGCCC
2132 2169	GGTCACCACACGAGTGCCTGGTCT	AGACCAGGCACTCGTGTGGTGACC
2133 2170	TTGATCGTGTCTCCCGAAACCCTC	GAGGGTTTCGGGAGACACGATCAA
2134 2171	ATTGTGCGGATCGGCATTTCTTAA	TTAAGAAATGCCGATCGCGACAAT
2135 2172	GGGTCCAACGACTTCTCGCTGCTG	CAGCAGCGAGAAGTCGTTGGACCC
2136 2173	CAAATTCCTTGGGGGCCATAGTGG	CCACTATGGCCCCCAAGGAATTTG
2137 2174	CCAGAGTATCCGCCGTTAGACGGT	ACCGTCTAACGGCGGATACTCTGG
2138 2175	TCCTGCAGATCATCTCGTGTCTGG	CCAGACACGAGATGATCTGCAGGA
2139 2176	TGCGGGAGATTTGAACAAGCTGTA	TACAGCTTGTTCAAATCTCCCGCA
2140 2177	TTAGACGCCGAGCTAGGCAACGTC	GACGTTGCCTAGCTCGGCGTCTAA
2141 2178	TTTCGGCAGAATCTCCGATTCAAC	GTTGAATCGGAGATTCTGCCGAAA
2142 2179	TGGCGAGCAGACCTACAAGACAGA	TCTGTCTTGTAGGTCTGCTCGCCA
2143 2180	GGCGACAGACCGGTACATCGGCCA	TGGCCGATGTACCGGTCTGTGCGC
2144 2181	TCTAGACCTGCGTTTCGTGGGACC	GGTCCCACGAAACGCAGGTCTAGA
2145 2182	GCCGAGCGTGGTACCATACGTTCA	TGAACGTATGGTACCACGCTCGGC
2146 2183	TAATCACACCCGCTTTCTGTGGCT	AGCCACAGAAAGCGGGTGTGATTA
2147 2185	GGCCGGAGCCATTGGACACTTCTT	AAGAAGTGCCAATGGCTCCGGCC
2148 2186	CCTGTAGACCTGCATGGATCGCTG	CAGCGATCCATGCAGGTCTACAGG
2149 2187	ATCGCCGTTCCCGCAAATAAGCA	TGCTTATTTTGCGGGAACGGCGAT
2150 2188	TGGATCAACGGGGTAGTGAAAACG	CGTTTTCACTACCCCGTTGATCCA
2151 2189	AAGCGACGATGCTTTCTTGAGCTG	CAGCTCAAGAAAGCATCGTCGCTT
2152 2190	CACGGGCACGTGTTCTACGCTTGC	GCAAGCGTAGAACACGTGCCCGTG
2153 2191	ACGGGCTGGGACAAGAGCTAGAAA	TTTCTAGCTCTTGTCCCAGCCCGT
2154 2192	GGTAACTGGCTCCGCTCTCACATC	GATGTGAGAGCGGAGCCAGTTACC
2155 2193	ACTCTGGCTGTTGGCGAACGTGAC	GTCACGTTCCGCAACAGCCAGAGT
2156 2194	GACCGAGGACCAGTCCTTGCTCTC	GAGAGCAAGGACTGGTCCTCGGTC
2157 2195	AGTAGCTCTTGCGGCCTAACGGCA	TGCCGTTAGGCCGCAAGAGCTACT
2158 2197	TTCTTGTCCTGGGGGAGAGCAGTG	CACTGCTCTCCCCAGGACAAGAA
2159 2198	TTAGCAGGGAGGTTGTGCGCTCAT	ATGAGCCGACAACCTCCCTGCTAA
2160 2199	AGAACGTGGATTGTACGCTCCGCC	GGCGGAGCGTACAATCCACGTTCT
2161 2200	CTTCACAGCCTGGAGCCACCAATG	CATTGGTGGCTCCAGGCTGTGAAG
2162 2201	GAGATCGATGAAACGCACCAGCGG	CCGCTGGTGC GTTTTCATCGATCTC
2163 2202	GGGTCCAGAGTTGGTGTGGGATAA	TTATCCCACACCAACTCTGGACCC
2164 2203	CCGTCCACCCAGATAGGAATCAC	GTGATTCTATCTGGGGTGGACGG
2165 2204	TGCCTCGCTTCTGTGAATCTACGA	TCGTAGATTACAGAAGCGAGGCA
2166 2205	GATCACAGCGTCCGCGCATAACGG	CCGTTATGCGCGGACGCTGTGATC
2167 2206	ATGACGCCTTACATGACGCACCTT	AAGGTGCGTCATGTAAGGCGTCAT
2168 2207	GCGTGGAATAACGCCCTTAGTTCA	TGAAC TAAGGGCGTTATTCCACGC
2169 2208	GGTCTACCATTCTCGCCCCGACCG	CGGTCGGGCGAGAAATGGTAGACC

2170 2209	ACACCTCTCTGGCGTAGACGCTCA	TGAGCGTCTACGCCAGAGAGGTGT
2171 2210	GTAGAGGTGCTCAGGACTCGTCGC	GCGACGAGTCCTGAGCACCTCTAC
2172 2211	GTAAGCAGGAGGCGAAGGCGCGAA	TTCGCGCCTTCGCCTCCTGCTTAC
2173 2212	TCTAAGGGCCGTTTCAATCGACCT	AGGTCGATTGAAACGGCCCTTAGA
2174 2213	AACCTGATTTCAAGGTCAGCCCGA	TCGGGCTGACCCTGAAATCAGGTT
2175 2214	GTCACGCGATTGGCCACCTATTA	TAATAGGTGGGCCAATCGCGTGAC
2176 2215	ACGATGCCGCGCATGTAACCTAGT	ACTAGGTTACATGCGCGGCATCGT
2177 2217	TGAGAGATGTCTCGTCAACGCCTG	CAGGCGTTGACGAGACATCTCTCA
2178 2218	GCATATCTCGCGGTGACAGACGAA	TTCGTCTGTCACCGCGAGATATGC
2179 2219	GACCCAACGTCGAAATTGTGCGAT	ATCGCACAATTTGACGTTGGGTC
2180 2220	TGAAAATCGGGGCATCTAGTTTGG	CCAAACTAGATGCCCCGATTTTCA
2181 2221	CCGCGAAAAGGATTTGTGTACGCA	TGCGTACACAAATCCTTTTCGCGG
2182 2222	CATTCCATTTATCCGCAGTTCGCT	AGCGAACTGCGGATAAATGGAATG
2183 2223	CCTGTCTGTGCGAGCCAGCGTCTAT	ATAGACGCTGGCTCGACAGACAGG
2184 2224	TCAGCGCGGCTAAACAAGTTATGC	GCATAACTTGTTTAGCCGCGCTGA
2185 2225	ACGCCTACGAACGACCCAAGAGAG	CTCTCTTGGGTCGTTCTAGGCGT
2186 2226	TGCGCATCTACCATTGTGTGGATC	GATCCACACAATGGTAGATGCGCA
2187 2227	AAGTCCGCGCTCGCTCCTGTAATA	TATTACAGGAGCGAGCGCGGACTT
2188 2228	GCTGGGTCATTGCTCGAGTAACCA	TGGTTACTCGAGCAATGACCCAGC
2189 2229	TGGAGCGTTCTGGCAATGACCGAC	GTCGGTCATTGCCAGAACGCTCCA
2190 2230	CAAGTCAATTCTTGCCAATTCGG	CCGAATTGGCCAAGAATTGACTTG
2191 2231	CGTTCATGCAAGGATCCCAGGTTA	TAACCTGGGATCCTTGATGAACG
2192 2232	ATGCCAATAGAAGCTGGGGATGCT	AGCATCCCCAGCTTCTATTGGCAT
2193 2233	CCTAACTCTCCCTTGAGGCCGTTT	GAAAGGCTCAAGGGAGAGTTAGG
2194 2234	ATCTCGGCGAAGGTTCCAAACATT	AATGTTTGGAACCTTCGCCGAGAT
2195 2235	GCGACAGATTACGCTGCGGTTTTT	GAAAACCGCAGCGTAATCTGTCGC
2196 2236	AAGCCCAGACGGCCAACACGTTAC	GTAACGTGTTGGCCGTCTGGGCTT
2197 2237	TCAAGTTCAAATCACATCCCGTGG	CCACGGGATGTGATTTGAAC TTGA
2198 2238	GATTGTCGTTCTGTCTGTGAGGCG	CGCCTCACAGACAGAACGACAATC
2199 2239	ACCGAACTATGTTCCGGCATGGCA	TGCCATGCCGGAACATAGTTCGGT
2200 2240	CGTCATCGGGTGTGCAATGCCGTT	AACGGCATTGCACACCCGATGACG
2201 2241	CGGACGGAGTCACGTTTGTGCACT	AGTGCAAAACGTGACTCCGTCCG
2202 2242	TAAACAAGTCGTGTGCCTTTGCCG	CGGCAAAGGCACACGACTTGTTTA
2203 2243	TAATTACTGGCCTGTGGAGCAGGC	GCCTGCTCCACAGGCCAGTAATTA
2204 2244	GGAGCGGCCCGAATGGTGCTCTTA	TAAGAGCACCATTGCGGGCCGCTCC
2205 2245	ACTAAGCAAGGCTTGATGTGCGT	ACGCACATCCAAGCCTTGCTTAGT
2206 2246	GGCAGCTCAGCGGCAGTACGCTAC	GTAGCGTACTGCCGCTGAGCTGCC
2207 2247	GCGAGGCGAATTATCCGCGGATTT	AAATCCGCGGATAATTCGCCTCGC
2208 2248	CATACGACACACCTTGGGGTGCTA	TAGCACCCCAAGGTGTGTCGTATG
2209 2249	TGCTTGGGCTTTAAACCCCGTTTT	AAAACGGGGTTTAAAGCCCAAGCA
2210 2250	CCGTTTGGAAAACGCAAATATCGG	CCGATATTTGCGTTTTCCAACCGG

2211 2251	AAACTAGCTAGCCGCACCCGCAAG	CTTGCGGGTGCGGCTAGCTAGTTT
2212 2252	GTTGTTCCACCAGTGATCACGCAG	CTGCGTGATCACTGGTGAACAAC
2213 2253	GCCGCTGACAAGATGATCATCGTT	AACGATGATCATCTTGTGAGCGGC
2214 2254	CTTTCATAAAGCCAACCGATGCC	GGGCATCGGTTGGCTTTATGAAAG
2215 2255	CTGACTGCATCTCGAAAGCGGGTG	CACCCGCTTTCGAGATGCAGTCAG
2216 2256	ATTTCTTCGGAGAATCGGCCACGT	ACGTGGCCGATTCTCCGAAGAAAT
2217 2257	CATTTCTGGGCCCTAGCTACTGCGC	GCGCAGTAGCTAGGGCCCCGAAATG
2218 2258	CCGATCCCGCACATCCGTATCCTG	CAGGATACGGATGTGCGGGATCGG
2219 2259	TATCACCGGGAGCGTCTTATCGTG	CACGATAAGACGCTCCCGGTGATA
2220 2260	TAGGGCTCGTGACCGATTAGAGG	CCTCTAATCGGTGCACGAGCCCTA
2221 2261	GCGTGGCACTCGCTTGTCTAGGTA	TACCTAGACAAGCGAGTGCCACGC
2222 2262	CTCAACGAACTCAAGGGCCGCTAC	GTAGCGGCCCTTGAGTTTCGTTGAG
2223 2263	AGCCTGGTATCGACCAATCCTGCA	TGCAGGATTGGTCGATACCAGGCT
2224 2264	TACGCGTTCTAGTTGGCCGGATCC	GGATCCCGGCCAACTAGAACGCGTA
2225 2265	TTTATGGGTTTGTGCCTGATGGGT	ACCCATCAGGCACAAACCCATAAA
2226 2266	GGGACCCCTAGCAACGTCACCTTA	TAAGGTGACGTTGCTAGGGGTCCC
2227 2267	CTGCCTCCCCAGGAGTCATTGGAT	ATCCAATGACTCCTGGGGAGGCAG
2228 2268	AACCCCGCAAGACCAGTACCAATC	GATTGGTACTGGTCTTGCGGGGTT
2229 2269	GGTCACATACGCGCTAAAAAGCGC	GCGCTTTTTAGCGCGTATGTGACC
2230 2270	AAATGGCTCCGACCAGTTAGGGAC	GTCCCTAACTGGTCGGAGCCATTT
2231 2271	AACGCGGCACGCTTAAAGGTGCAT	ATGCACCTTTAAGCGTGCCGCGTT
2232 2272	GATCGCACGCCGATTAACCTTACA	TGTAAGGTTAATCGGCGTGCGATC
2233 2273	CCTCCTGATTGGGAGTGCGGAATT	AATTCGCACTCCCAATCAGGAGG
2234 2274	CGGAGGGTAATAGGCTCCTCTGCG	CGCAGAGGAGCCTATTACCCTCCG
2235 2275	ACAAGAAGTGGACATTACCGCGGG	CCCGCGGTAATGTCCAGTTCTTGT
2236 2276	TGTCGTCTTAAAGGCCCTTTGTGCG	CGCACAAAGGCCTTTAAGACGACA
2237 2277	GGTGACCATGTGGCGTTTTAGCTT	AAGCTAAAACGCCACATGGTCACC
2238 2278	CACGGTTGCGCACGGTACCAGAAC	GTTCTGGTACCGTGCGCAACCGTG
2239 2279	CCTTTATTGTTTGGTCCCCTGCC	GGGCAGGGGACCAAACAATAAAGG
2240 2280	GTGCGCCTGCATTCTACCGTCAAT	ATTGACGGTAGAATGCAGGCGCAC
2241 2281	GTTTACGTTGATGGCTTGCCGCCG	CGGCGGCAAGCCATCAACGTAAAC
2242 2282	CCGTGCGTGGTAGGACGTGAATGT	ACATTCACGTCCTACCACCGACGG
2243 2283	TGATCGCCCCAGAATCCCTGTGCT	AGCACAGGGATTCTGGGGCGATCA
2244 2284	AAGCAGCCAAAAATCGGTTGCTTT	AAAGCAACCGATTTTTGGCTGCTT
2245 2285	CGACGGGACTTAGTAGCAGGGCCT	AGGCCCTGCTACTAAGTCCCGTCG
2246 2286	CCGATTGCGGAAACGACCAAGTAG	CTACTTGGTCGTTTCGCGAATCGG
2247 2287	CCACCCCAACTCCAATCTTTCTCA	TGAGAAAGATTGGAGTTGGGGTGG
2248 2288	GTGCAGTAGACGACTACCGGCGTC	GACGCCGGTAGTCGTCTACTGCAC
2249 2289	TTCGCCCATCGTATCAAGCAATTC	GAATTGCTTGATACGATGGGCGAA
2250 2290	GAATCGCGACTACCGGTCGGGTCA	TGACCCGACGGGTAGTCGCGATTTC
2251 2291	CCAGCACTCGCCATCGGTTATAAT	ATTATAACCGATGGCGAGTGCTGG

2252	2292	CGAACCGTAGAACTCCGGTCGGTG	CACCGACCGGAGTTCTACGGTTCCG
2253	2293	GCACCATGACAGAGCCCCAGGATG	CATCCTGGGGCTCTGTCTATGGTGC
2254	2294	TGGGCTACCGCAGAATAAGGGTGA	TCACCCTTATTCTGCGGTAGCCCA
2255	2295	TGGCCTGTCGTGTCTGAAGGAAACA	TGTTTCCTTCGACACGACAGGCCA
2256	2296	GCCTCACCGATAGCGAGCGTTTGC	GCAAACGCTCGCTATCGGTGAGGC
2257	2297	GTGCGCGCCGGCTAAAACGAGACA	TGTCTCGTTTTAGCCGGCGCGCAC
2258	2298	CCGCAGACGAGTTTCTTGTGACAG	CTGTCACAAGAACTCGTCTGCGG
2259	2299	GTTTCGAATCGCGTGCTAGGAAGC	GCTTCCTAGCACGCGATTGCGAAC
2260	2300	TGTTGTACACATGCATCCGGTGAA	TTCACCGGATGCATGTGTACAACA
2261	2301	CACTGAACACGATATAAGGGCGCG	CGCGCCCTTATATCGTGTTCACTG
2262	2302	CGCGATGGTTCCTTAGCAAGACGAT	ATCGTCTTGCTAAGAACCATCGCG
2263	2303	TACACCAAGGAAGAAATGGGGACG	CGTCCCCATTCTTCTTGGTGTA
2264	2304	CGTGCCTTGCGTTTTAGGTGCAGC	GCTGCACCTAAAACGCAAGGCACG
2265	2305	GTCGTTTGTCTGGGCATTAACGGC	GCCGTTAATGCCCAGACAAACGAC
2266	2306	CAGGCTCTCGTTCGGTACAAACGT	ACGTTTGTACCGAACGAGAGCCTG
2267	2307	CGGACACTGTTTCACCAGAACCCA	TGGGTTCTGGTGAAACAGTGTCCG
2268	2308	TACCCATGATGCGGAAGAAGCGTA	TACGCTTCTTCCGCATCATGGGTA
2269	2309	CTGTCCTTAAGCGGATGAGAACCG	CGGTTCTCATCCGCTTAAGGACAG
2270	2310	CGGGAGATGAGAACGGTTTTGTGC	GCACAAAACCGTTCTCATCTCCCG
2271	2311	TAGATCGCGACTGTACTCAGGCCG	CGGCCTGAGTACAGTCGCGATCTA
2272	2312	TAAAACAGTTCGCGCGACTGTCGT	ACGACAGTCGCGCGAACTGTTTTA
2273	2313	CGAGGAGCTCCACATAAGCCCAAT	ATTGGGCTTATGTGGAGCTCCTCG
2274	2314	TGGCTAGGGATGGGGAATCATCTT	AAGATGATTCCCCATCCCTAGCCA
2275	2315	AGGATTGGGTGCCTGGATGCATTG	CAATGCATCCAGGCACCCAATCCT
2276	2316	TGTATCTACCGGCCTGAAGCAGGT	ACCTGCTTCAGGCCGGTAGATACA
2277	2317	TCCCTACGCGCATGACTCGCTTAC	GTAAGCGAGTCATGCGCGTAGGGA
2278	2318	TGGTCGATCACCTGTGACAGACGC	GCGTCTGTACAGGTGATCGACCA
2279	2319	TGGGGGTAGTCCATGCATCAATTG	CAATTGATGCATGGACTACCCCCA
2280	2320	CCCTGCCAGGATTACTATTCCGGA	TCCGGAATAGTAATCCTGGCAGGG
2281	2321	TCCCGCACGGGGAATTTAAGTAGA	TCTACTTAAATTCCCCGTGCGGGA
2282	2322	GTGATGTGCAGGAACTTCTGTCGC	GCGACAGAAGTTCCTGCACATCAC
2283	2323	ATTTAGGCATGCATGCGTTTCTCA	TGAGAAGCGCATGCATGCCTAAAT
2284	2324	TTGCGCGCTAGTGGACGCCGTCAA	TTGACGGCGTCCACTAGCGCCGAA
2285	2325	GAGCTTCATCTCATCAGTTCCGCG	CGCGGAACTGATGAGATGAAGCTC
2286	2326	GACAACTCCACTGCTCCAATCGCA	TGCGATTGGAGCAGTGGAGTTGTC
2287	2327	GGCCAAGGATGGACCTTACGATGG	CCATCGTAAGGTCCATCCTTGGCC
2288	2328	GGTTCCGGAATTTGTCACCGCTTC	GAAGCGGTGACAAATTCGGGAACC
2289	2329	GCGCTGGATAGTCTGCGAGAAGCC	GGCTTCTCGCAGACTATCCAGCGC
2290	2330	TGAGTCCAGTGCTGCCACCATGAA	TTCATGGTGGCAGCACTGGACTCA
2291	2331	TTGAATTGGGTGTCGGAGCGTTCT	AGAACGCTCCGACACCCAATTCAA
2292	2332	CGGCGGGCAGACAATGCTTTGAAC	GTTCAAAGCATTGTCTGCCCGCCG

2293 233	GGGTCTGTCAAAGAGGGTGTCTGG	CCAGACACCCTCTTTGACAGACCC
2294 2334	CTTTGTGCAAGACGAAGCACCCCTT	AAGGGTGCTTCGTCTTGACAAAG
2295 2335	ATCGAATTCCGAGGAGGTCTCCAT	ATGGAGACCTCCTCGGAATTCGAT
2296 2336	TCCGACCCTCAGAGTCGACTCATT	AATGAGTCGACTCTGAGGGTCGGA
2297 2337	ATCAACGGCCACCTCCTCGCCGAG	CTCGGCGAGGAGGTGGCCGTTGAT
2298 2338	AGCCACGGAATAATTCCGTCCACC	GGTGGACGGAATTATTCCGTGGCT
2299 2339	GATCGCTTGCATCGCAAAGACT	AGTCTTTGCGATACGCAAGCGATC
2300 2340	TCCACGCCTTACCATCAACTGCAA	TTGCAGTTGATGGTAAGGCGTGGA
2301 2341	GCCAAGCGATAGGCCAGAACTCAG	CTGAGTTCTGGCCTATCGCTTGGC
2302 2342	AGCGTGTGGGTCAATTTAGCACGA	TCGTGCTAAAATGACCCACACGCT
2303 2343	GTTATGCGCGGCTTACGAGTTCGA	TCGAACTCGTAAGCCGCGCATAAC
2304 2344	TCTGTCCACGTAACCTGCCTGCAG	CTGCAGGCAAGTTACGTGGACAGA
2305 2345	TCGGCAGCCAATGATCATACCTCT	AGAGGTATGATCATTGGCTGCCGA
2306 2346	TAAGCCCAGATCCGGTCCTGTGTTT	AAACACAGGACCGGATCGGGCTTA
2307 2347	ACATGGCAGACTAACAGGCCTCGC	GCGAGGCCTGTTAGTCTGCCATGT
2308 2348	CATGGCTGCACTCTAAGTCGAACG	CGTTCGACTTAGAGTGCAGCCATG
2309 2349	TCTTCAACCCACGCGGAACGATTG	CAATCGTTCGCGTGGGTTGAAGA
2310 2350	CTCGTGTCTCCAGAGGATTGTCCC	GGGACAATCCTCTGGAGACACGAG
2311 2351	TGAAGGCATCAACCCAGAGGATTT	AAATCCTCTGGGTTGATGCCTTCA
2312 2352	ACAGCTCGAAGGCAGCCACATTGG	CCAATGTGGCTGCCTTCGAGCTGT
2313 2353	ACAACGAGTACCGCGACAGAAAGG	CCCTTCTGTGCGGGTACTCGTTGT
2314 2354	ATAACCGAAAAACCAGCCTGCGAT	ATCGCAGGCTGGTTTTTCGGTTAT
2315 2355	ACAACCTCAGCACTTTCGACGTCCA	TGGACGTCGAAAGTGCTGAGTTGT
2316 2356	CGGGTTACTGGGTATCACCAATGC	GCATTGGTGATACCCAGTAACCCG
2317 2357	CATCGGTTATCGCTGCACGCGCGT	ACGCGCGTGCAGCGATAACCGATG
2318 2358	GAAGGAATCCCGGATAGTCCGTGG	CCACGGACTATCCGGGATTCCCTTC
2319 2359	GCATGGTCTCAGCCAAAGAACCTG	CAGGTTCTTTGGCTGAGACCATGC
2320 2360	AGCCTGCGACGTTTCCCGACAGAC	GTCTGTGCGGAAACGTCGCAGGCT
2321 2361	AAGAAAGGCGCACGGGATCGATAT	ATATCGATCCCGTGCGCCTTTCTT
2322 2362	TGTCGCGAAGCCAACTTTCAGTAA	TTACTGAAAGTTGGCTTCGCGACA
2323 2363	GCGGCATGCAAGGTAGGTCTGGAT	ATCCAGACCTACCTTGCATGCCGC
2324 2364	GGTGGCCATCTCCTCGAATTGCAT	ATGCAATTCGAGGAGATGGCCACC
2325 2365	GCGTGATAAGTTGCACATTGTGC	GCACAATGTGCAACTTATGCACGC
2326 2366	TTGAGGTAGCGTTTTTCGCGCATAT	ATATGCGCGAAAACGCTACCTCAA
2327 2367	ATCCCACTTGTGAGAGGGCGCATT	AATGCGCCCTCTCACAAGTGGGAT
2328 2368	CGGTCAGCGAGCAGACATCAACCT	AGGTTGATGTCTGCTCGCTGACCG
2329 2369	GCGTATCTTCGGGTCGAACACTTG	CAAGTGTTGACCCGAAGATACGC
2330 2370	ATGCCATTGAACTCGCACTTTGCG	CGCAAAGTGCGAGTTCAATGGCAT
2331 2371	CGATTCCCATCATAATGTGGGTCC	GGACCCACATTATGATGGGAATCG
2332 2372	CAATTTGGATAATCCAGCCACGCC	GGCGTGGCTGGATTATCCAAATTG
2333 2373	CGGCTTACCCTATGATTCCGTGCA	TGCACGGAATCATAGGGTAAGCCG

2334 2374	GGTGGACCATGCGCTGTGGTATGA	TCATACCACAGCGCATGGTCCACC
2335 2375	TATTTGTCTGAAGATCGCAAGCGCC	GGCGCTTGCGATCTTCGACAAATA
2336 2376	GTCAGTGGGTTTTGAGAGCCCGCA	TGCGGGCTCTCAAAACCCACTGAC
2337 2377	AGGGGGTCGGGAAATCTGACAAAA	TTTTGTCAGATTTCCCGACCCCT
2338 2378	TGCTTGCTATCCGAAAAAAGCAGG	CCTGCTTTTTTCGGATAGCAAGCA
2339 2379	TTATCGGATCAAATTCGGCTTCGG	CCGAAGCCGAATTTGATCCGATAA
2340 2380	TGCAGCAACGAGTTACCCGGACTT	AAGTCCGGGTAACCTCGTTGCTGCA
2341 2381	TATACATGTCCGGAGGGGACCCCA	TGGGTGCCCTCCGGACATGTATA
2342 2382	TGCAAAACCGGAGGATGAACCCTT	AAGGGTTCATCCTCCGGTTTTGCA
2343 2383	TCGGTCTAATGTCCACGCAGACAC	GTGTCTGCGTGGACATTAGACCGA
2344 2384	ATGTGTTTGCCACGCGCTCCTATT	AATAGGAGCGCGTGGCAAACACAT
2345 2385	TGGCGAGGCACGGCTCTAATTCGG	CCGAATTAGAGCCGTGCCTCGCCA
2346 2386	GCGACGACCCGAGCGACTTTTACA	TGTAAAAGTCGCTCGGGTCGTCCG
2347 2387	CTCAGAGAGTCTATCCGGCGCCCT	AGGGCGCCGGATAGACTCTCTGAG
2348 2388	GGAACATCTCCTGGGTCCCTCAGA	TCTGAGGGACCCAGGAGATGTTCC
2349 2389	GCAACGCAGGGAAGTACTTAGCGA	TCGCTAAGTACTTCCCTGCGTTGC
2350 2390	TGACTTGGGCGGACAAAGAAACGC	GCGTTTCTTTGTCCGCCCAAGTCA
2351 2391	AGATCATCGGGACGCTTCATGCTA	TAGCATGAAGCGTCCCGATGATCT
2352 2392	CCCTTCTGACCGCTAAGGCCATAA	TTATGGCCTTAGCGGTGAGAAGGG
2353 2393	CGTGAGCCGTGGGGTGTCTCTGTA	TACAGAGACACCCACGGCTCACG
2354 2394	TACCTTGGTCGTCTCCGCTTTTGT	ACAAAAGCGGAGACGACCAAGGTA
2355 2395	TCGCCGCAAAATGCTACGTGAAAA	TTTTCACGTAGCATTTTTCGGCGA
2356 2396	GAGTGACCTAATGGCTGCCCGACT	AGTCGGGCAGCCATTAGGTCACTC
2357 2397	AAAGGAACTTGCCCAACCCTATGG	CCATAGGGTTGGCCAAGTTCCTTT
2358 2398	TGTTTTCGCACTCCACCTAATCGC	GCGATTAGGTGGAGTGCGAAAAACA
2359 2399	CAATGGGTTTCATAAGGGCAGGCA	TGCCTGCCCTTATGAAACCCATTG
2360 2400	GCCTAACACACAAGGGTCCCTCTG	CAGAGGGACCCCTGTGTGTTAGGC
2361 2401	CGTCATGCGGTCCGAGGATCGATC	GATCGATCCTCGGACCGCATGACG
2362 2402	CCACACGGGCACGGAGTAATATCT	AGATATTACTCCGTGCCCGTGTGG
2363 2403	CATCAGACATAGGTCGCGTGCCGA	TCGGCACGCGACCTATGTCTGATG
2364 2404	AGATGAAACCAAGGGAGGACGCAG	CTGCGTCCTCCCTTGGTTTCATCT
2365 2405	GGCTACCCATAGGCTCAGCAGCAC	GTGCTGCTGAGCCTATGGGTAGCC
2366 2406	GGCTTGTGAGGGTGTGTTCTCGAC	GTCGAGAACACACCCTCACAAGCC
2367 2407	TGTGTTACGGCGAATGCAACAGTC	GACTGTTGCATTGCGCGTAACACA
2368 2408	CGATAACAGGTCGCGCCGTTACTA	TAGTAACGGCGCGACCTGTTATCG
2369 2409	TGATAAAGTGAGGCTCCAGCGCGA	TCGCGCTGGAGCCTCACTTTATCA
2370 2410	AATTGTGCACGGATCTGCACGGCG	CGCCGTGCAGATCCGTGCACAATT
2371 2411	GCAATGTACTGTCACCAGTGCGGA	TCGCCACTGGTGACAGTACATTGC
2372 2412	GGCATATCGGTAACACTTGGTTCGG	CCGACCAAGTGTTACCGATATGCC
2373 2413	GGGTCTCAAACCAGCGTGCCGCT	AGCGGCCACGCTGGTTTGAGACCC
2374 2414	GTCTCCGGGACCATTGAGCTGGAG	CTCCAGCTCAATGGTCCCGGAGAC

2375 2415	GGCCTTCGGCATTGACACGGGTTG	CAACCCGTCTGAATGCCGAAGGCC
2376 2416	CGTGATAGGCCACAGCGCTCAATT	AATTGAGCGCTGTGGCCTATCACG
2377 2417	GGCAGGCCCGCGAGGATGATTAAC	GTTAATCATCCTCGCGGGCCTGCC
2378 2418	CGGGTATGGTTGATAACAGCGTGG	CCACGCTGTTATCAACCATAACCGG
2379 2419	ACGACGTCTTGGGACCGTATTGT	ACAATACGGTCCCAAGGACGTCGT
2380 2420	CTGATATCGAGCCTGAGCCTTTCG	CGAAAGGCTCAGGCTCGATATCAG
2381 2421	TCCCATTGGCCTGTATGCTGGCCT	AGGCCAGCATACAGGCCAATGGGA
2382 2422	GTGTCGTCGATTGTTTCATCGACG	CGTCGATGAAACAATCGACGACAC
2383 2423	CGAAAGCCAGTAGCCGATTGCGTG	CACGCAATCGGCTACTGGCTTTCG
2384 2424	GGTTCGGCTTATTCCACTGCGACA	TGTCGCAGTGGAATAAGCCGAACC
2385 2425	AGCGAGGGCTAACTTTTAAACGCG	CGCGTTAAAAAGTTAGCCCTCGCT
2386 2426	CGGCGCTGATGACGGGACTCGATT	AATCGAGTCCCGTCATCAGCGCCG
2387 2427	TCACAGTGCTCGGCGTAAGGACTA	TAGTCCTTACGCCGAGCACTGTGA
2388 2428	CCCATTACGAGCACACACCATGGC	GCCATGGTGTGTGCTCGTAATGGG
2389 2429	GGCCGCTAATCTTTACGCATCACG	CGTGATGCGTAAAGATTAGCGGCC
2390 2430	ACGGCTTCCTAGTGTCCAGCCCTT	AAGGGCTGGACACTAGGAAGCCGT
2391 2431	CTGTCAGGTCTACCCAATGGCTC	GAGCCATTGGGTAGGACCTGACAG
2392 2432	CACAGCCCATCCCCTGAAGTCTG	AGCAGTTCAGTGGGATGGGCTGTG
2393 2433	ACAAACGATACACGCAACGCTGTG	CACAGCGTTGCGTGTATCGTTTGT
2394 2434	TGGCGGCCAGCTAGCAGGCGAAGT	ACTTCGCCTGCTAGCTGGCCGCCA
2395 2435	ATCTCGAAACGATGCGTGCCCTAAA	TTTAGGCACGCATCGTTTCGAGAT
2396 2436	ATCTCGAGAACAGCGTGCGTGCGG	CCGCACGCACGCTGTTCTCGAGAT
2397 2437	GAAGAAATCCGCCGACATCTACGG	CCGTAGATGTGCGCGGATTTCTTC
2398 2438	GCGGAGCAACCTTGGCTGTTTCTA	TAGAAACAGCCAAGGTTGCTCCGC
2399 2439	CGCGTTCCGAAGACTTGTTGTTTG	CAAACAACAAGTCTTCGGAACGCG
2400 2440	TGACCTGAAGCCCATCCATAAGCA	TGCTTATGGATGGGCTTCAGGTCA
2401 2441	TGGTATTCATTCCGGATAAGCGGG	CCCGCTTATCCGGAATGAATACCA
2402 2442	GCGTTGCGGGTCATTGATGCAAAC	GTTTGCATCAATGACCCGCAACGC
2403 2443	ACCGCTTTCTGTGTAGAGCCCTGA	TCAGGGCTCTACACAGAAAGCGGT
2404 2444	CAAATAGACAATCGCAGCTTCGGG	CCCGAAGCTGCGATTGTCTATTTG
2405 2445	TGTCCTGACAAATCAAGGTGCAGG	CCTGCACCTTGATTTGTCAGGACA
2406 2446	AAATTGCACTCGCGGAGATTTCT	AGGAAATCTCCGCGAGTGCAATTT
2407 2447	TGACGCCCATTTCTATATGGTGCA	TGCACCATATAGAAATGGGCGTCA
2408 2448	TGTTCCGACAGGGCACTGCTAGAC	GTCTAGCAGTGCCCTGTCGGAACA
2409 2449	TCGCTGGCTTGGGAAGGCCCTTCGT	ACGAAGGCCTTCCCAAGCCAGCGA
2410 2450	GTGCACCTCCGTTGGCGTAGAATG	CATTCTACGCCAACGGAGGTGCAC
2411 2451	CTCATTTGGGACCGATCGGGTTGC	GCAACCCGATCGGTCCCAAATGAG
2412 2452	GCCAGTGTCTGTCAATGGATGGGA	TCCCATCCATTGACAGACACTGGC
2413 2453	TTGCCCGGCAGGTTCTGTGTAATG	CATTACACAGAACCTGCCGGGCAA
2414 2454	ACCCGCGAACCGAGACGCACTTCT	AGAAGTGCGTCTCGGTTTCGCGGT
2415 2455	TCCGTGCGATTGGTCAAGGTTGAT	ATCAACCTTGACCAATCGCACGGA

2416 ²⁴⁵⁰	AGGGCGTCTCGGTTGAACCTCGGT	ACCGAGGTTCAACCGAGACGCCCT
2417 ²⁴⁵¹	TGACCGTTCAAAGAGCAAGCCAAC	GTTGGCTTGCTCTTTGAACGGTCA
2418 ²⁴⁵²	ACACTCACCTGCTGTCCCTGCTGA	TCAGCAGGGACAGCAGGTGAGTGT
2419 ²⁴⁵³	GCGTTTAACTCCTTGGGTGGTGGT	ACCACCACCCAAGGAGTTAAACGC
2420 ²⁴⁵⁴	CGCCTGCGCAGGTAACCTCTCCGCA	TGCGGAGAGTTACCTGCGCAGGCG
2421 ²⁴⁵⁵	AATCGAATTTCCCAGCGGCTGTTT	AAACAGCCGCTGGGAAATTCGATT
2422 ²⁴⁵⁶	AAGCAGGTGGGATCCTGGGGATCA	TGATCCCCAGGATCCACCTGCTT
2423 ²⁴⁵⁷	AATCCCAGACTCGCTCTTCGTGCT	AGCACGAAGAGCGAGTCTGGGATT
2424 ²⁴⁵⁸	ACGGTTATAAGGGCCGGCTGCGAC	GTCGCAGCCGGCCCTTATAACCGT
2425 ²⁴⁵⁹	TACGAGAGCGGGCTTAGACGTCGC	GCGACGTCTAAGCCCGCTCTCGTA
2426 ²⁴⁶⁰	GCGATTTTGACCCACGGTTATCGA	TCGATAACCGTGGGTCAAATTCGC
2427 ²⁴⁶¹	AGCTGTATAATTTGGATGGCGCGA	TCGCGCCATCCAAATTATACAGCT
2428 ²⁴⁶²	TCCGCGAGTCTTAGCCGATTGAAC	GTTCAATCGGCTAAGACTCGCGGA
2429 ²⁴⁶³	GGCATCAGCTCCGTAAGCCGATAG	CTATCGGCTTACGGAGCTGATGCC
2430 ²⁴⁶⁴	TGTTATTGGCAGTTCGAGCGACAG	CTGTGCTCGAACTGCCAATAACA
2431 ²⁴⁶⁵	GCGAGCCTTTTTGCTTGGGAAGAG	CTCTTCCAAGCAAAAAGGCTCGC
2432 ²⁴⁶⁶	AGAAGAAAAGGTCAGCGTCGACGA	TCGTGACGCTGACCTTTTCTTCT
2433 ²⁴⁶⁷	CGGGTCGACCCTTGAAGCATAACC	GGTTATGCTTCAAGGGTCGACCCG
2434 ²⁴⁶⁸	CTCGGTTTTACAACTTACCGCG	CGCGGTAAGTTTGTGAAAACCGAG
2435 ²⁴⁶⁹	GCAGTCCTATCCGGAGCCTGACAA	TTGTCAGGCTCCGGATAGGACTGC
2436 ²⁴⁷⁰	AAGGTGCGCTATTTGTTGTCGGTC	GACCGACAACAAATAGCGCACCTT
2437 ²⁴⁷¹	AGTGGAATCCATGCCGACACCTGA	TCAGGTGTCGGCATGGATTCCACT
2438 ²⁴⁷²	TACAGGCGTAATTCCTGCGAGGGA	TCCCTCGCAGGAATTACGCCTGTA
2439 ²⁴⁷³	CCGAAGTGCGAGAAGCACGTTGTT	AACAACGTGCTTCTCGCACTTCGG
2440 ²⁴⁷⁴	AAGGACTGGTATGGCCGGAGCTTT	AAAGCTCCGGCCATACCAGTCCTT
2441 ²⁴⁷⁵	GGACACCGCCAACCTCATAGTTGC	GCAACTATGAGGTTGGCGGTGTCC
2442 ²⁴⁷⁶	AATGGTGTTGCGCTGGACTACCAC	GTGGTAGTCCAGGCGAACACCATT
2443 ²⁴⁷⁷	TAGGAAAGCGTACACGGGAATCCG	CGGATTCCCGTGTACGCTTTCCTA
2444 ²⁴⁷⁸	TCTCACCCCAATGATGAGGACGTC	GACGTCCTCATCATTGGGGTGAGA
2445 ²⁴⁷⁹	CGTGTCCGTGTGACACTGTCCATG	CATGGACAGTGTACACGGACACG
2446 ²⁴⁸⁰	TCCAGGCTGTTGCGGATACGGTAG	CTACCGTATCCGCAACAGCCTGGA
2447 ²⁴⁸¹	GTAGGCCAAAATGGTCGCGATCAAT	ATTGATCGCGACCATTTTGCCTAC
2448 ²⁴⁸²	ATCTCCGTGGACCCGATTGTGACA	TGTCACAATCGGGTCCACGGAGAT
2449 ²⁴⁸³	GAATATGCCGTCAACGCTATGGGC	GCCCATAGCGTTGACGGCATATTC
2450 ²⁴⁸⁴	TTCCGGAAGCGTTTGGTAACCTTG	CAAAGTTACCAAACGCTTCCGGAA
2451 ²⁴⁸⁵	TTGATAGGAATACCAGGGCCTGG	CCAGGCCCTGGTATTCCTATCGAA
2452 ²⁴⁸⁶	GGCCATTTGAGGAGGATTATGCAA	TTGCATAATCCTCCTCAAATGGCC
2453 ²⁴⁸⁷	ACCTTCTGACCTGGACTTTTGGCG	CGCCAAAAGTCCAGGTCAGAAGGT
2454 ²⁴⁸⁸	GACCAATCCGCGAGTTGAGCAACAG	CTGTTGCTCAACTGCGGATTGGTC
2455 ²⁴⁸⁹	TCGGCCACTCACCATGAGTGTAGG	CCTACACTCATGGTGAGTGCCGA
2456 ²⁴⁹⁰	AGCGCTCACATGTTGAAAACGGG	CCCGTTTTCGAACATGTGAGCGCT

24572497	TAACGCAAAGGCGCGATCCTCGCT	AGCGAGGATCGCGCCTTTGCGTTA
24582498	TGGGTGGGCCAAATATTACTGCAA	TTGCAGTAATATTTGGCCACCCA
24592499	GTCCTCGAAAGGGGCATCCAAACA	TGTTTGGATGCCCCCTTCGAGGAC
24602500	CCCATCTGGTGGGAGGCGTTATCA	TGATAACGCCTCCCACCAGATGGG
24612501	GTGCGCGGTCTGCAAACCTCGCCAT	ATGGCGAGTTTGAGACCGCGCAC
24622502	TGTGTTGCCAACCCCTAGGTCATCA	TGATGACCTAGGGTTGGCAACACA
24632503	CTGATGCTGTTCTCGTCGGTTGAC	GTCAACCGACGAGAACAGCATCAG
24642504	AAGCTGCAAAGGTGAGCGTGGCA	TGCCACGCTCACCTTTTGAGCTT
24652505	TCTGACGCGTGCTTGGGAGTCTAT	ATAGACTCCCAAGCACGCGTCAGA
24662506	GAATTACTTGGAGGCGCCGTGCAA	TTGCACGGCGCCTCCAAGTAATTC
24672507	GATTCTTCCCGACCTAGGTTGGCC	GGCCAACCTAGGTCGGGAAGAATC
24682508	CGCAGCGTATCCCATGTTGCTTGA	TCAAGCAACATGGGATACGCTGCG
24692509	GAGATGGAATTGTTGCCCAAAGA	TCTTTGGGCGAACAATTCCATCTC
24702510	GATGCCTGGATCGGTCTAGCGTCA	TGACGCTAGACCGATCCAGGCATC
24712511	GCAGCGACTGCTAAGCTATCTCGG	CCGAGATAGCTTAGCAGTCGCTGC
24722512	AGGGCTAATTTACATCGCCTTGCC	GGCAAGGCGATGTAAATTAGCCCT
24732513	AAGTGCACATCCTCACGAAGCGAT	ATCGCTTCGTGAGGATGTGCACTT
24742514	TCAGGCAGCCGTAATTAAATGCGC	GCGCATTTAATTACGGCTGCCTGA
24752515	CCACTGGGGAAATCGCACTGTTGG	CCAACAGTGCGATTTCCCCAGTGG
24762516	TTGTCCAAAGCCACCTACGACAGA	TCTGTCGTAGGTGGCTTTGGACAA
24772517	TGGGCGGAATAGATTGGGTGTCTT	AAGACACCCAATCTATTCCGCCCA
24782518	TAGAATTCGCCTCTTCTAGCCGCC	GGCGGCTAGAAGAGGCGAATTCTA
24792519	CATTACTTCCTGCAGATGCGATGC	GCATCGCATCTGCAGGAAGTAATG
24802520	GGAAATGCTAGCTGGGGTAATCGC	GCGATTACCCAGCTAGCATTTCC
24812521	GCCGCCACTTGCGAATCTACATCT	AGATGTAGATTTCGCAAGTGGCGGC
24822522	ACAATAGCGGACAGCTCGCCAGAT	ATCTGGCGAGCTGTCCGCTATTGT
24832523	AGTTAGGCTCTCGGTGCGGTCCAT	ATGGACCGCACCGAGAGCCTAACT
24842524	TGGGCCTGAGAAGCGGTTAATAGG	CCTATTAACCGCTTCTCAGGCCCA
24852525	ACGCTCTGAGCGACGCCTATCGTA	TACGATAGGCGTCGCTCAGAGCGT
24862526	CCTGGTGATCGTGTCCAGACTCA	TGAGTCTGGGACACGATCACCAGG
24872527	GCGTGTCCATTGCTTGAGGTTTC	GAAACCTCAAGCGAATGGACACGC
24882528	ATCCTGAACGGCGATGACCACCAC	GTGGTGGTCATCGCCGTTCAAGAT
24892529	TTACGTTTCTCACCGATCAACGCC	GGCGTTGATCGGTGAGAAACGTAA
24902530	GCCGTCTTGAGTGGCTAAAAGGCA	TGCCTTTTAGCCACTCAAGACGGC
24912531	ATCTACGATGCGGCTCGAAGTGTT	AACACTTCGAGCCGCATCGTAGAT
24922532	AACCAAGACTCGTCCCCAAACGAA	TTCGTTTGGGGACGAGTCTTGTTT
24932533	AACTGCGGTGGTGGAGGCAGGTGC	GCACCTGCCTCCACCACCGCAGTT
24942534	TGCGATCTTCTCCACCTACAGCGC	GCGCTGTAGGTGGAGAAGATCGCA
24952535	AGGCGCTTAGAACCGTGAAGGCAG	CTGCCTTCACGGTTCTAAGCGCCT
24962536	TGGAAAATTTTGGGAAACGCTGGA	TCCAGCGTTTCCCAAATTTTCCA
24972537	CCAGCGCCGCACCTTCTCCAATAG	CTATTGGAGAAGGTGCGGCGCTGG

24982539	TAGACGGCTGGCGAATCTTACGGT	ACCGTAAGATTCGCCAGCCGTCTA
2499 2540	TACCATACAAGAGAACGAGCCGCA	TGCGGCTCGTTCTCTTGTATGGTA
25002541	GTAGCCGAGAGCAATTTTACCCGC	GCGGTGAAAATTGCTCTCGGCTAC
2501 2542	GCAAACCTCCCCTGCCCTTTAGCCT	AGGCTAAAGGGCAGGGGAGTTTGC
25022543	ATCCCGCTGATAACCGCCAGGATA	TATCCTGGCGGTTATCAGCGGGAT
2503 2544	AGTCTCAGTTCGGCGCAACGGTAG	CTACCGTTGCGCCGAAGTGAAGT
25042545	AACCTACAGTCGCCGCAATGCATT	AATGCATTGCGGCGACTGTAGGTT
25052546	ATACACGTTTCAGCCGGCAACAAT	ATTGTTGCCGGCTGAAACGTGTAT
25062547	ACGACGGGACGTGCCCTCGTTGAT	ATCAACGAGGGCAGTCCCGTCGT
25072548	AAGTCCAACTCGAATGGGGCAGT	ACTGCCCCATTGAGTTTGGACTT
25082549	GATTTATTGGCGCGGTAACGACCT	AGGTCGTTACCGCGCCAATAAATC
25092550	TGTTTTCAGAGGCTACCTGCCAT	ATGGCAGGGTAGCCTCTGAAAACA
25102551	ACGGTCTCAGGGAAATGCGATCTC	GAGATCGCATTTCCCTGAGACCGT
2511 2552	GACTTGAAACCGCCTATGCCACA	TGTGGGCATAGGCGGTTTCAAGTC
25122553	CGATCGGTTGTGTGCTGTCTTACC	GGTAAGACAGCACACAACCGATCG
25132554	AGTAGCACAATGCCTCATTTCCGC	GCGGAAATGAGGCATTGTGCTACT
25142555	CTCGCTATCTACGCGTCTCCGAAA	TTTCGGAGACGCGTAGATAGCGAG
2515 2556	AGCCCGTTACGGCATCTAGGATTC	GAATCCTAGATGCCGTAACGGGCT
25162557	TCGCGATGGCGAGAGTTCAGAATA	TATTCTGAAGTCTCGCCATCGCGA
2517 2558	TTACAGGATTCCAAAACCCGCAAA	TTTGCGGGTTTTGGAATCCTGTAA
25182559	CGGTACCAACGCGCGGGCATATGA	TCATATGCCCGCGCGTTGGTACCG
2519 2560	TGCCAGTATTATCCGTGCCAGCCG	CGGCTGGCACGGATAATACTGGCA
25202561	ATTTACAGACCTCGGGACAACCTGG	CCAGGTTGTCCCGAGGTCTGAAAT
2521 2562	GAAGTGCGCGTAACCTAGGGAGCC	GGCTCCCTAAGTTACGCGCACTTC
25222563	TTGGCCAGGTCATCACTCTGCCAT	ATGGCAGAGTGATGACCTGGCCAA
25232564	ATCGGCCGGTATTAGCTGCCCTCC	GGAGGGCAGCTAATACCGGCCGAT
25242565	CGCAGGTAAGGCCGAGCAATGTTT	AAACATTGCTCGGCCTTACCTGCG
25252567	TTGGGAACGTGCTAGGCGGCCCTC	GAGGGCCGCCTAGCACGTTCCCAA
25262568	CATCTCGGCACACTGGTGCTGTAT	ATACAGCACCAGTGTGCCGAGATG
25272569	ACGCGTAAATCAACGACGTGGTCG	CGACCACGTCGTTGATTTACGCGT
25282571	CGTAGGTGGTAAATGTTGGCCCAG	CTGGGCCAACATTTACCACCTACG
25292572	TTGAGCCAGAATAAAACGGTTGG	CCAACCGTTTTATTCTGGCTCGAA
25302573	AGAGATATTCGGCCTCGGTGAGAA	TCTCGACCGAGGCCGAATATCTCT
25312574	CGACAAAGTTTCTCGCGAGCAACT	AGTTGCTCGCGAGAACTTTGTGCG
25322575	ATTGCCGCGTCTCGTATCAAAGA	TCTTTTGATACGAGACGCGGCAAT
25332576	CGGAGAATGGATGCAGGTTCTTCG	CGAAGAACCTGCATCCATTCTCCG
25342577	TATAATCATTTGCGACTCGCCCCA	TGGGGCGAGTCGCAAATGATTATA
25352578	AATTTTCCCGATTTGAAGAAGCG	CGCTTCTTCAAATCGGGGAAAATT
25362579	TCGCATACTTCGTGCGCGAGTATT	AATACTCGCCGACGAAGTATGCGA
25372580	CGTGAGCCGTTCTCATCCAAGCGG	CCGCTTGGATGAGAACGGCTCACG
25382581	GCAGAATCGAATTGGGGTGGGTTT	AAACCCACCCCAATTTCGATTCTGC

2539 ²⁵⁸²	CTCTCGGTTTCTCAACCGAGCTCG	CGAGCTCGGTTGAGAAACCGAGAG
2540 ²⁵⁸³	GACCAGTTAGTGCAATGGTTGGCG	CGCCAACCATTGCACTAACTGGTC
2541 ²⁵⁸⁴	TTCTCGCACAGCTAGTCAGCCGAT	ATCGGCTGACTAGCTGTGCGAGAA
2542 ²⁵⁸⁵	CCAAGTCTTGCGTGAGCGATCCTG	CAGGATCGCTCACGCAAGACTTGG
2543 ²⁵⁸⁶	GCGAAAGTGGCTCGTATTTCTCCA	TGGAGAAATACGAGCCACTTTCGC
2544 ²⁵⁸⁷	CCTCGGGACTGTCCGACTGAAAAA	TTTTTCAGTCGGACAGTCCCGAGG
2545 ²⁵⁸⁸	AGGCGAGTGTACGGCTCATCCATG	CATGGATGAGCCGTACACTCGCCT
2546 ²⁵⁸⁹	GCGGCTCTGCCTACGATATTCACA	TGTGAATATCGTAGGCAGAGCCGC
2547 ²⁵⁹⁰	TGCACCTGTCTGTAGATTTGCGGT	ACCGCAAATCTACAGACAGGTGCA
2548 ²⁵⁹¹	CATAAAGCACGGACGCGACTTGAT	ATCAAGTCGCGTCCGTGCTTTATG
2549 ²⁵⁹²	CCCTCAACGTAGGGCGTGACTTTC	GAAAGTCACGCCCTACGTTGAGGG
2550 ²⁵⁹³	GGGTCATCGTGCAGTTATGCCGTA	TACGGCATAACTGCACGATGACCC
2551 ²⁵⁹⁴	CCCGGATAATCCTTTGTCCAGCCG	CGGCTGGACAAAGGATTATCCGGG
2552 ²⁵⁹⁵	TCCGATAAGCGAACTCACATGGGT	ACCCATGTGAGTTCGCTTATCGGA
2553 ²⁵⁹⁶	CCTGCTGGTTCGGTCGTAAGCGAA	TTGCTTACGACCGAACCAGCAGG
2554 ²⁵⁹⁷	GAGGCACCAATCGGTCTGAAAATG	CATTTTCAGACCGATTGGTGCTCT
2555 ²⁵⁹⁹	TACGAAAATGGTTGCGCCGGGTCT	AGACCCGGCGCAACCATTTTCGTA
2556 ²⁶⁰⁰	AATTGCCGGAAGCAGTCAGAATCG	CGATTCTGACTGCTTCCGGCAATT
2557 ²⁶⁰¹	CCGAATCAGCCGTATTTGCTGGAA	TTCCAGCAAATACGGCTGATTCGG
2558 ²⁶⁰²	CCCGCTTATCTGTACTCGATCGCA	TGCGATCGAGTACAGATAAGCGGG
2559 ²⁶⁰³	TTTTGGGGATCCCTATTAGGCGCA	TGCGCCTAATAGGGATCCCCAAAA
2560 ²⁶⁰⁴	AGTGACAGCGCTCACCACGGTCCC	GGGACCGTGGTGAGCGCTGTCACT
2561 ²⁶⁰⁵	CCATGAGTGTTTCGGGACATCGTA	TACGATGTCCCGAAACACTCATGG
2562 ²⁶⁰⁶	GCCACATTCTGCTACCTCCGTGTT	AACACGGAGGTAGCAGAATGTGGC
2563 ²⁶⁰⁷	TCCTGTGCTTTGTGACGTGCTAGG	CCTAGCACGTCAAAAGCACAGGA
2564 ²⁶⁰⁸	GACCGCATATACACCTGATGGGCC	GGCCCATCAGGTGTATATGCGGTC
2565 ²⁶⁰⁹	GTAGGCCCGTCGTTAACCATCTCA	TGAGATGGTTAACGACGGGCCCTAC
2566 ²⁶¹⁰	CGGCTCGCGAAATGGAGTTTAGCG	CGCTAAACTCCATTTGCGGAGCCG
2567 ²⁶¹¹	GCTGATCGGCTTTTCACCGCTATA	TATAGCGGTGAAAAGCCGATCAGC
2568 ²⁶¹²	TATCAAATCGTTGGCACGCGACTA	TAGTCGCGTGCCAACGATTTGATA
2569 ²⁶¹³	TTGGCGAGGATCCCTAGGCGTACT	AGTACGCCTAGGGATCCTCGCCAA
2570 ²⁶¹⁴	AAGTCCTGAGGCCGTTTCGGTTTCT	AGAAACCGAACGGCCTCAGGACTT
2571 ²⁶¹⁵	ACTCCGGACATCTCGGCCAGAGAT	ATCTCTGGCCGAGATGTCCGGAGT
2572 ²⁶¹⁶	CCAAGGGGAACACAGGATCGTAGA	TCTACGATCCTGTGTTCCCTTGG
2573 ²⁶¹⁷	GTGGCCTAAATCCGCCTTCTCAAC	GTTGAGAAGGCGGATTTAGGCCAC
2574 ²⁶¹⁸	CACTCCGTCTCGTCCATTAATGCG	CGCATTAATGGACGAGACGGAGTG
2575 ²⁶¹⁹	TCAAGAACCAGTGCCGGTCAGCA	TGCTGACCGGCACTGGGTTCTTGA
2576 ²⁶²¹	GAATCAATTTTCCAGGGACGGGAC	GTCCCGTCCCTGGAAAATTGATTC
2577 ²⁶²²	ATCGGTGTGCTGGAGCGCCAGAGT	ACTCTGGCGCTCCAGCACACCGAT
2578 ²⁶²³	GCCTCTCCTATGACGATGACCCAC	GTGGGTATCGTCATAGGAGAGGC
2579 ²⁶²⁴	TGGGCGCGCTTTTAAGACTACATC	GATGTAGTCTTAAAGCGCGCCCA

2580 ₂₁₆₂₅	CGTTGGGTACCGTTCTATCAACCG	CGGTTGATAGAACGGTACCCAACG
2581 ₂₁₆₂₆	GCAGTGAGCTGGGTTCAATGCTTC	GAAGCATTGAACCCAGCTCACTGC
2582 ₂₁₆₂₇	CATCATCCACACAGGCAGGTGTGT	ACACACCTGCCTGTGTGGATGATG
2583 ₂₁₆₂₈	AGACAAAGGTCCCCATTGCGAAAT	ATTTGCAATGGGGACCTTTGTCT
2584 ₂₁₆₂₉	ATACTCGTCGACGAGAAGCGGAAA	TTTCCGCTTCTCGTCGACGAGTAT
2585 ₂₁₆₃₀	GCAGAAATGTGTTGTCTTCGCAGCC	GGCTGCGAAGACAACACATTCTGC
2586 ₂₁₆₃₁	CACCATGCCTTCATCTTGGCCTAG	CTAGGCCAAGATGAAGGCATGGTG
2587 ₂₁₆₃₂	ACTCTTCAACGCCAGGTTAAGCCA	TGGCTTAACCTGGCGTTGAAGAGT
2588 ₂₁₆₃₃	GCGACCTGCGGCGTGTGTATTCTC	GAGAATACACACGCCGCGAGGTCGC
2589 ₂₁₆₃₄	TGGTGTATGCACCCTTTCTCCAT	ATGGAGAAAGGGTGCATACACCGA
2590 ₂₁₆₃₅	ACCGTCGAATCTTGCGGCCAATGT	ACATTGGCCGCAAGATTGACGGT
2591 ₂₁₆₃₆	TAATGCATGCTCCCGGCTCACGTT	AACGTGAGCCGGGAGCATGCATTA
2592 ₂₁₆₃₇	TCTGTACACACCACGTCGTGCACA	TGTGCACGACGTGGTGTGTACAGA
2593 ₂₁₆₃₈	CATGGGGTTGTCAGACGACACCTA	TAGGTGTCGTCTGACAACCCCATG
2594 ₂₁₆₃₉	AATCTGATGCTCGCTGTAGGACGG	CCGTCCTACAGCGAGCATCAGATT
2595 ₂₁₆₄₁	TCGAAACCGCGGGAAAGGGTAAAA	TTTTACCCTTTCCCGCGGTTTCGA
2596 ₂₁₆₄₂	TGGGGGACGGGCGTCTAATCCTCC	GGAGGATTAGACGCCCGTCCCCCA
2597 ₂₁₆₄₃	AGGCATGCACCCATGCTGCCAGAG	CTCTGGCAGCATGGGTGCATGCCT
2598 ₂₁₆₄₄	TCCCAATGGCCTGTCAAGCATAAA	TTTATGCTTGACAGGCCATTGGGA
2599 ₂₁₆₄₅	GAACCTGAGCCTTTGCTAGCACGA	TCGTGCTAGCAAAGGCTCAGGTTT
2600 ₂₁₆₄₆	CGAATTGATAGCGTTACGGGCGAA	TTGCCCCGTAACGCTATCAATTG
2601 ₂₁₆₄₇	TTGCACGCGCGCGAACGACTATTC	GAATAGTCGTTGCGCGCGGTGCAA
2602 ₂₁₆₄₈	TGCGGTGAAGCAGTCCAAGGTCAG	CTGACCTTGGAAGTCTTACCAGCA
2603 ₂₁₆₄₉	TGAGGACCATCCAATGGATCGGTT	AACCGATCCATTGGATGGTCCTCA
2604 ₂₁₆₅₀	TCGGTGATTGGTAATTTGGATCCG	CGGATCCAAATTACCAATCACCGA
2605 ₂₁₆₅₁	GCGGGCAGGTAGTTTGACTGGATG	CATCCAGTCAAACCTACCTGCCCGC
2606 ₂₁₆₅₂	CAAGCACAAAGCCCATGAAATTTCA	TGAAATTTTCATGGGCTTGTGCTTG
2607 ₂₁₆₅₃	CGGTACAGCGGATAGCCAAGGATA	TATCCTTGGCTATCCGCTGTACCG
2608 ₂₁₆₅₄	CCATGCTCTTCGCTGCAGCATACT	AGTATGCTGCAGCGAAGAGCATGG
2609 ₂₁₆₅₅	CGCGGCAAAGATTAATTCCCGGCG	CGCCGGGAATTAATCTTTGCCGCG
2610 ₂₁₆₅₆	GAAGACCCGTCCGGGTTTCCATAC	GTATGGAAACCCGGACGGGTCTTC
2611 ₂₁₆₅₇	CTGGCAAGGAGGATGTGGCTCGTG	CACGAGCCACATCCTCCTTGCCAG
2612 ₂₁₆₅₈	CTGTGCAGGGGGTGGCTCTGTTGA	TCAACAGAGCCACCCCTGCACAG
2613 ₂₁₆₅₉	TTCAATAATGATCACGAGGCCCA	TGGGGCCTCGTGATCATTATTGAA
2614 ₂₁₆₆₀	TGGTGATGCGAAGCCTTACCTTTG	CAAAGGTAAGGCTTCGCATCACCA
2615 ₂₁₆₆₁	CTGCCACCATCTACGGCGCAGTCT	AGACTGCGCCGTAGATGGTGGCAG
2616 ₂₁₆₆₂	TTTGCCCAGCTCTCGCAGAAGTTA	TAACTTCTGCGAGAGCTGGGCAAA
2617 ₂₁₆₆₃	AATTCAGACGCCACATCGACGGTC	GACCGTCGATGTGGCGTCTGAATT
2618 ₂₁₆₆₄	CCGTGGTCTGCCTCGATTACCTAC	GTAGGTAATCGAGGCAGACCACGG
2619 ₂₁₆₆₅	GGCGAGGAATTTCCGAACCTTATG	CATAAGGTTCCGAAATTCCTCGCC
2620 ₂₁₆₆₆	ATCCGATGATCAGATACCGGCTGG	CCAGCCGGTATCTGATCATCGGAT

2621	CCATAGACTAGCGCCAGAGTGCCC	GGGCACTCTGGCGCTAGTCTATGG
2622	TGTGGACCTAGAAAATTGCCAGCC	GGCTGGCAATTTTCTAGGTCCACA
2623	GAATAATCATCGCGGTCTCATGG	CCATGAGGACCGCGATGATTATTC
2624	GGGATTGGCTCTTGGTTGGAAGAA	TTCTTCCAACCAAGAGCCAATCCC
2625	ATTGTGCTTCCTCGAACTGGGAAA	TTTCCCAGTTCGAGGAAGCACAA
2626	TGCCCCACCCCGTAAGTCAATAAT	ATTATTGACTTACGGGGTGGGGCA
2627	TCAGGACCGACGGTGCACCTTAGTG	CACTAAGTGCACCGTCGGTCCTGA
2628	CCAGCCGTCACAGTGCAATTTCCG	CGGAAATTGCACTGTGACGGCTGG
2629	CTTAAAGAGGCGCGAAGCACACA	TGTTGTGCTTCGCGCCTCTTTAAG
2630	TACCGCTCGTCGCGATCACAATGA	TCATTGTGATCGCGACGAGCGGTA
2631	CCGAGTGCGCGAAGTGTCTATGTG	CACATAGACACTTCGCGCACTCGG
2632	GCACCAGTGCCCGATCAAAACGTA	TACGTTTTGATCGGGCACTGGTGC
2633	TGCAGGCTTCTCAACGGCTGGGAG	CTCCCAGCCGTTGAGAAGCCTGCA
2634	CTCCGTACGTATCCCGCGTGATAC	GTATCACGCGGGATACGTACGGAG
2635	GGAAGTGCAACTTAAAGCCCCGCC	GGCGGGGCTTTAAGTTGCACTTCC
2636	CGAACC GG CAGTCGATCGTTGCAT	ATGCAACGATCGACTGCCGGTTCCG
2637	CCGTTAGTGGTCGACAGTTCGGTT	AACCGAACTGTCGACCACTAACGG
2638	TCAGGCTACGCCCTCAGCACTACA	TGTAGTGCTGAGGGCGTAGCCTGA
2639	TATACGGGGCCGAGGTCCGTATTCG	CGAATACGGACCTCGGCCCGTATA
2640	CCAACGTGTGACGAAGGGCCATTG	CAATGGCCCTTCGTACACGTTGG
2641	CTGCTCAGCGGTGCTTGAAAGACA	TGTCTTTCAAGCACCGCTGAGCAG
2642	GGAGATTGACTTCGCGTTTACCA	TGGTGAAACGCGAAGTCAATCTCC
2643	ATGGTTCAGAAGGTTTCGTGCGGTT	AACCCGACGAACCTTCTGAACCAT
2644	GAGTGGAGCATTCTCGGCCCTCAA	TTGAGGGCCGAGAATGCTCCACTC
2645	TGGATTGGAACCAATCCCGCACAA	TTGTGCGGGATTGGTTCCAATCCA
2646	TGCTCTTGTTGTCACCTCGAGAGGA	TCCTCTCGAGTGACCACAAGAGCA
2647	TTGGGAGCACGGTTACCGCCTGTG	CACAGGCGGTAACCGTGCTCCCAA
2648	CAACGCGAGCTAACGGTAGTTTCG	CGAAACTACCGTTAGCTCGCGTTG
2649	AACGCTGAGCGCTCACCTTCACCT	AGGTGAAGGTGAGCGCTCAGCGTT
2650	CCGTCGTAGATCTGGAGGCTTCAA	TTGAAGCCTCCAGATCTACGACGG
2651	GGATGGCATGGGCACACTGTAACC	GGTTACAGTGTGCCCATGCCATCC
2652	TGCCTCGTAGATATCCTTCACGCC	GGCGTGAAGGATATCTACGAGCGA
2653	GGAGCAATACCGCGTCCAAAACAC	GTGTTTTGGACGCGGTATTGCTCC
2654	TTGTT CAGACTTAGGCGCTGCCCA	TGGGCAGCGCCTAAGTCTGAACAA
2655	CGGCGGTACTCTTTCCACTGTCCT	AGGACAGTGGAAAGAGTACCGCCG
2656	AAGACGATTGCCACGTGCCAGAG	CTCTGGCACGTGGGCAATCGTCTT
2657	AGGTGAGCGCAGGCATATTGCAGT	ACTGCAATATGCCTGCGCTCACCT
2658	CTCGGGCCTGTACAGCAAAGCCGT	ACGGCTTTGCTGTACAGGCCCGAG
2659	TGCGCGCTAGTGCTGCCTATGATC	GATCATAGGCAGCACTAGCGCGCA
2660	CCATCCTTTGCCTTGAGGGTAAGG	CCTTACCCTCAAGGCAAAGGATGG
2661	AACAACAGCGTAAGACGGACAGGG	CCCTGTCCGTCTTACGCTGTTGTT

26622709	GAGGCGGTCTGAGGCTCACAAATATT	AATATTGTGAGCCTCGACCGCCTC
26632710	CGAGGTTAGACGCCTATGACCCAC	GTGGGTCATAGGCGTCTAACCTCG
26642711	AAC TTGCTATACCGGGCGCAGCAA	TTGCTGCGCCCCGGTATAGCAAGTT
26652712	CGCGGTGAATCGCATACACAGCGC	GCGCTGTGTATGCGATTACCGCG
26662713	CACCGAATCAAGCCATATGGCTCT	AGAGCCATATGGCTTGATTGCGTG
26672714	TTCACAGCTATCCTAGGCGCTGCC	GGCAGCGCCTAGGATAGCTGTGAA
26682715	AGAAGCGCGAAGTGTACCCCGCAT	ATGCGGGGTACACTTCGCGCTTCT
26692716	TGCATGGTATTTGCGTGCGATAGG	CCTATCGCACGCAAATACCATGCA
26702717	GGCCGGACCTATGTGAGATGGA AAA	TTTCCATCTCACATAGGTCCGGCC
26712718	TCAACCTGAGTCCTGATCCCAAGC	GCTTGGGATCAGGACTCAGGTTGA
26722719	TGCTTACCGTTCAGGGAGGCGTGT	ACACGCCTCCCTGAACGGTAAGCA
26732720	GGAGAGTTACGCGATGAGCCACCT	AGGTGGCTCATCGCGTAACTCTCC
26742721	CGGTATGCGGTGTACAGCTTTCGT	ACGAAAGCTGTACACCGCATACCG
26752722	GTAAGCCGGGTCTCGTGTGCGCGT	ACGGCGACACGAGACCCGGCTTAC
26762723	GCGTAGTGCGAACGCCCCGACCTA	TAGGTCGGGGCGTTCGCACTACGC
26772724	TCCTCGCGGCTTACGTCAAATTCG	CGAATTTGACGTAAGCCGCGAGGA
26782725	CGACGTTCAAAGCGGGAGAGGAGG	CCTCCTCTCCCGCTTTGAACGTCG
26792726	CGAGGCACCCCGACATGTTGAGAT	ATCTCAACATGTGCGGGGTGCCTCG
26802727	CTATTTCTGTGCCGCGTCGGACAAG	CTTGTCCGACGCGGCACGAAATAG
26812728	GGCTGCTCAGTGACGTGTCAACTG	CAGTTGACACGTCACTGAGCAGCC
26822729	ATCACTCGTGCGTACCCGACCGTC	GACGGTCGGGTACGCACGAGTGAT
26832730	CGAGATGTCCTATACCGTGCGGAA	TTGCCACGGTATAGGACATCTCG
26842731	TCACACCGAGCCCCATAAATGAAA	TTTCATTTATGGGGCTCGGTGTGA
26852732	AGCTACGTGTCTCGAGCAAAAGCG	CGCTTTTGCTCGAGACACGTAGCT
26862733	TCAGGGCGAGTTTTTTTCAGCGGCG	CGCCGCTGAAAAAACTCGCCCTGA
26872734	TTCGTTCTGTCTATTTTTTGCCCGG	CGGGGCAAAAATAGACAGAACGAA
26882735	TGGTATGCCCAGGATCCAGCCTAC	GTAGGCTGGATCCTGGGCATACCA
26892736	TCTCAGTCGTTAGGCCAATGGCGG	CCGCCATTGGCCTAACGACTGAGA
26902737	AAAGATCACCGTGGAGCGATCGGC	GCCGATCGCTCCACGGTGATCTTT
26912738	TAGCAGGACTTGCACTCGTGATGC	GCATCACGAGTGCAAGTCCTGCTA
26922739	TGCCCACGGTACCGTTCAAGGCTG	CAGCCTTGAACGGTACCGTGGGCA
26932740	TGAGGTGCGTCGCCCTAAGTAATG	CATTACTTAGGGCGACGCACCTCA
26942741	AGCAAGGGTTACAACCCGCAACCC	GGGTTGCGGGTTGTAACCCTTGCT
26952742	CACAACAGCCAGTATTCGCCACAA	TTGTGGCGAATACTGGCTGTTGTG
26962743	GGCAACACCATACTCGACGAGCTC	GAGCTCGTCGAGTATGGTGTTGCC
26972744	GGCTGGATTGACAATTTAGCCCT	AGGGGCTAAATTGTCAATCCAGCC
26982745	CGTGAGAAATGCTACACGCGTCAG	CTGACGCGTGTAGCATTTCTCACG
26992746	CGCATCTGCCCCATTTTGTTCCTT	AAGGAACAAAATGGGGCAGATGCG
27002747	GTCGGCCTAGTCGGCAGAACGGTG	CACCGTTCTGCCGACTAGGCCGAC
27012748	TCCCTCACCTTCCAAAAATGTGCT	AGCACATTTTTGGAAGGTGAGGGA
27022749	GGGCAAGAACATGAGAACAGACCG	CGGTCTGTTCTCATGTTCTTGCCC

2703 2751	TCGTCCTGGTACGACTTGCGTAGA	TCTACGCAAGTCGTACCAGGACGA
2704 2752	TGGCGGTTGCATGTGATGATCAAG	CTTGATCATCACATGCAACCGCCA
2705 2753	CCTCGCGTGAGTAAAAACCGTCCG	CGGACGGTTTTTACTCACGCGAGG
2706 2754	ACTTCCGCCACAGAATGCGGCCAG	CTGGCCGCATTCTGTGGCGGAAGT
2707 2755	GTGTAGAGCTTGGGTAGCCCCGTT	AACGGGGCTACCCAAGCTCTACAC
2708 2756	CGCAGCATCCGAGTTAACACACAT	ATGTGTGTTAACTCGGATGCTGCG
2709 2757	ATGAGCCTGGGATGATCCGCTGGT	ACCAGCGGATCATCCCAGGCTCAT
2710 2758	CCTGGCATAAGTGCCGACATGCTT	AAGCATGTCGGCACTTATGCCAGG
2711 2759	GCGCATGAAAACTACGACGGACG	CGTCCGTCGTAGTTTTTTCATGCGC
2712 2760	AAAGATGGGTTCGATGGGAGCGTCT	AGACGCTCCCATCGACCCATCTTT
2713 2761	ATCCTGGGCACGAGCGGATTTATC	GATAAATCCGCTCGTGCCAGGAT
2714 2762	TCACCGCATTTGATAGTTACGCGA	TCGCGTAACTATCAAATGCGGTGA
2715 2763	TGGTGGAGCGGACTCTGGTGTTAT	ATAACACCAGAGTCCGCTCCACCA
2716 2764	CACAATGAAAAACAATGGCCCCA	TGGGGCCATTGTTTTTTCATTGTG
2717 2765	CCTTGCCGCGCTTGTTGGTACCAAC	GTTGGTACCACAAGCGCGGCAAGG
2718 2766	CCGAGACCTTTGCCACACGAAAGA	TCTTTCGTGTGGCAAAGGTCTCGG
2719 2767	ACCGCGGTGTACACCTGAGCAGGC	GCCTGCTCAGGTGTACACCGCGGT
2720 2768	GTCGTACGCTTACCGCAGCGGAGA	TCTCCGCTGCGGTAAGCGTACGAC
2721 2769	TCGTAATTTGACCGACACACGCAG	CTGCGTGTGTGCGTCAAATTACGA
2722 2770	CCTAGACGGATACCCTGAGCGGAA	TTCCGCTCAGGGTATCCGTCTAGG
2723 2771	AAGCGACAGCAGAGGTTCACTCGC	GCGACTGAACCTCTGCTGTGCGCTT
2724 2772	GCGTGGACGATATCACCTGGGCGT	ACGCCCAGGTGATATCGTCCACGC
2725 2773	GTCGGAGAGCCAGTGGTACGGCTT	AAGCCGTACCACTGGCTCTCCGAC
2726 2774	TATCCGCACGGTATAGCAGTTGCA	TGCAACTGCTATACCGTGCGGATA
2727 2775	CATCAGTCGGGCTACCTTCAGCCT	AGGCTGAAGGTAGCCCCGACTGATG
2728 2776	CGGATTAATGCCTTTCCTCGGAAT	ATTCCGAGGAAAGGCATTAATCCG
2729 2777	TTCGTCGTGCCAAGCTAATGCAAG	CTTGCAATTAGCTTGGCAGGACGAA
2730 2778	GGCCGAGACCACCAGTAACAGGTT	AACCTGTTACTGGTGGTCTCGGCC
2731 2779	CGCGCGGAAGCATTGAAGTTACTA	TAGTAACTTCAATGCTTCCGCGCG
2732 2780	TCGGCTTACCGCTTCGTCTGACTT	AAGTCAGACGAAGCGGTAAGCCGA
2733 2781	GACTGACGTCAAGGCAAGCAACAC	GTGTTGCTTGCTTACGTCAGTC
2734 2782	AGAGGAAGGAGGGGCTGTGACAGA	TCTGTACAGCCCCCTCCTTCTCT
2735 2783	TTCCAATGCGAGAGATGGCAGGCT	AGCCTGCCATCTCTCGCATTGGAA
2736 2784	AAATGGGGTGCTTCGAATATGTCG	CGACATATTGGAAGCACCCCATTT
2737 2785	GCTGTGCGGATTATGCACGCTGT	ACAGGCGTGCAATAATCCGACAGC
2738 2786	CCGACTTTGTTTATGTTGCTGGCG	CGCCAGCAACATAAACAAGTCGG
2739 2787	GCTGCGATATAACCCGTCCAGAA	TTCTGGGACGGGTTATATCGCAGC
2740 2788	TGAGCTGGGCGTCAACTCCGAAGA	TCTTCGGAGTTGACGCCAGCTCA
2741 2789	CCCAAGCATCCTAAATCTCCCTCG	CGAGGGAGATTTAGGATGCTTGGG
2742 2790	CGACAGCAATCCACATGCATTCTT	AAGAATGCATGTGGATTGCTGTGCG
2743 2791	TGAATGGTCGGGAAACCAATGCAT	ATGCATTGGTTTCCCGACCATTCA

27442794	CTTTGCATCGAGATGCGGGGTAGC	GCTACCCCGCATCTCGATGCAAAG
27452795	TCCATTTCTCCGCAACTCTCAGG	CCTGAGAGTTGCGGAGGAAATGGA
27462796	CCACTACGCCATCCTGACAACGAG	CTCGTTGTCAGGATGGCGTAGTGG
27472797	TAGTAAGGCCAATGTACGCCGTCC	GGACGGCGTACATTGGCCTTACTA
27482798	GTCATGCATATGGGGCCTGTTTTTC	GAAAACAGGCCCCCATATGCATGAC
27492799	ACCGGTAGACGTTAGCGGGTCAA	TTGAACCCGCTAACGTCTACCGGT
27502800	TTGGTTCAAACGGCCACACGTCTC	GAGACGTGTGGCCGTTTGAACCAA
27512801	GACACAAACTGCAAGGGAGGCATG	CATGCCTCCCTTGCAGTTTGTGTC
27522802	CTCGAGCGCTGTCATCATATCGGC	GCCGATATGATGACAGCGCTCGAG
27532803	GCGGCTAAGGCACAAGTAGACGTG	CACGTCTACTTGTGCCTTAGCCGC
27542805	ACAGCCTAAATGGCGCAAGACCGA	TCGGTCTTGCGCCATTTAGGCTGT
27552806	CCGATGATGTAAGCCGTGCGCCCT	AGGGCCGACGGCTTACATCATCGG
27562807	AGGAGCAAACAAACGCCAGTGACA	TGTCACTGGCGTTTGTGTTGCTCCT
27572808	ACGAATTGGGTAGCCGGACTGAGA	TCTCAGTCCGGCTACCCAATTCGT
27582809	CTGTTCCAGTTCGGCAAGTGCGGC	GCCGCACTTGCCGAAGTGAACAG
27592810	AGACAAGTCAGGAACGCGTTTCCG	CGGAAACGCGTTTCTGACTTGTCT
27602811	AGACGACGGCCAGATACGCTGCCA	TGGCAGCGTATCTGGCCGTCGTCT
27612812	AGGAAGCGCTTCTTCCGGTTCTTC	GAAGAACCGGAAGAAGCGCTTCT
27622813	GATGGACGCAAACACAAGGCGATC	GATCGCCTTGTGTTTGCCTCCATC
27632814	CGCATAGCAGTCTCCGCATCTTGG	CCAAGATGCGGAGACTGCTATGCG
27642815	TGGTTCCGGTGTGCAACAGATAAA	TTTATCTGTTGCACACCGGAACCA
27652816	CCGTATGCCACCTCCAGAACTCAA	TTGAGTTCTGGAGGTGGCATAACGG
27662817	GTAAAGGAACCCCTCGGGAATCCT	AGGATTCCCGAGGGGTTTCTTTAC
27672818	GCCTGATGCTCGTTAAATTGCGT	ACGCAATTTTAACGAGCATCAGGC
27682819	TCGCACTTGGACCATGAGATCTGA	TCAGATCTCATGGTCCAAGTGCGA
27692820	TTCTCAGGCTGGGCAAGAGTCTGT	ACAGACTCTTGCCAGCCTGAGAA
27702821	CGGACCTGGGGATGCTGGGATTAC	GTAATCCCAGCATCCCCAGGTCCG
27712822	TCGAGCCGATAGGGTTGGCATTGC	GCAATGCCAACCCTATCGGCTCGA
27722823	TACGTGTGTCCCACACACGTCGTA	TACGACGTGTGTGGGACACACGTA
27732824	TGTGAAATTCGCGTTTCGCATCTT	AAGATGCGAAACGCGAATTTTACA
27742825	TTGCAATGCTCCAAAAAACTGCC	GGCAGTTTTTTTGGAGCATTGCAA
27752826	TCTCATCATGGCTGTGGCTTTGAC	GTCAAAGCCACAGCCATGATGAGA
27762827	ATTACACCGCTTGGTTTGGAGTGG	CCACTCCAAACCAAGCGGTGTAAT
27772828	GCCGTGCAATGCACAGAGTTCAAG	CTTGAACCTCTGTGCATTGCACGGC
27782829	GAGATCAGACCGTGTGCGATGCTG	CAGCATCCGACACGGTCTGATCTC
27792830	CCACCTATCTTGATGCGACCTGGA	TCCAGGTGCGATCAAGATAGGTGG
27802831	CCGATCGCCGTTTATGTCTACGGC	GCCGTAGACATAAACGGCGATCGG
27812832	GAAAATCACGGTAAGGCACGTTTCG	CGAACGTGCCTTACCGTGATTTTC
27822833	GATTCTCGCTTCCCAACGAGCATA	TATGCTCGTTGGGAAGCGAGAATC
27832835	TGTGAAATGTGGCAGTCTCAGGGA	TCCCTGAGACTGCCACATTTTACA
27842836	CGATCCTGCGTGCCTCATCCAGGC	GCCTGGATGAGGCACGCAGGATCG

2826 287 9	CTTGCCGCCTTGCGAGTGGCTAAA	TTAGCCACTCGCAAGGCGGCAAG
2827 288 0	AATGGCTCGCCAGATACCGCAGCC	GGCTGCGGTATCTGGCGAGCCATT
2828 288 1	CAAAAGGCGTGTCCGAACCTTTCA	TGAAAAGTTTCGGACACGCCTTTTG
2829 288 2	CGTCCACTTAGGTGGAGATACGCC	GGCGTATCTCCACCTAAGTGGACG
2830 288 3	GAGCCTCTTCGTCTGAAGACCGA	TCGGTCTTCAGGACGAAGAGGCTC
2831 288 4	AACATCAAGCGGCAATCTCCCTTC	GAAGGGAGATTGCCGCTTGATGTT
2832 288 5	CGTCCTGACATTATTAGCGCGTGC	GCACGCGCTAATAATGTCAGGACG
2833 289 0	TGTGCAGACCCTAACGACCTACGG	CCGTAGGTCGTTAGGGTCTGCACA
2834 288 1	TTAGGTCGGCCTAGACCCTCCGTA	TACGGAGGGTCTAGGCCGACCTAA
2835 288 6	TCACATCGCTTAACTGAGCGCATT	AATGCGCTCAGTTAAGCGATGTGA
2836 288 9	AGACCTTCCACGCGAGATGCTAC	GTAGCATCTCGCGTGGGAAGGTCT
2837 289 0	TTCTTGCCAAAATGTGTCCAACCA	TGGTTGGACACATTTTGGCAAGAA
2838 284 1	CAGTTTTCAATTGCAGCGAAAGCAA	TTGCTTTCGCTGCAATGAAAAC TG
2839 289 2	GTGCCGATCCCGAGACAAGTTCCG	CGGAAC TTGTCTCGGGATCGGCAC
2840 289 3	CATCCGGCCTCAGTGATTCTTACC	GGTAAGAATCACTGAGGCCGGATG
2841 289 4	TGCTGGAAGCCACAAACGTTACGT	ACGTAACGTTTGTGGCTTCCAGCA
2842 289 5	GAACGGCCAGGGGACAAC TATCGT	ACGATAGTTGTCCCCTGGCCGTTT
2843 289 6	TCATCTAGGTCTGAAGCGCAAGACA	TGTCTTGCGCTTCGACCTAGATGA
2844 289 7	TTTGGTTACCAGCACCCATGTTCC	GGAACATGGGTGCTGGTAACCAAA
2845 289 8	GACAACAGTCTGTCCGCCACATCC	GGATGTGGCGGACAGACTGTTGTC
2846 289 9	GCCAACAGGAGATGCTTGCAACCAT	ATGGTGCAAGCATCTCCTGTTGGC
2847 290 0	CTAAGGACGCATTGACCCCTGAAC	GTTCAGGGGTCAATGCGTCCTTAG
2848 290 1	GGTCGCGTAGTGAGTCAGAGGCGT	ACGCCTCTGACTCACTACGCGACC
2849 290 2	TTACCTCATGAACCCTTCGCGGCG	CGCCGCGAAGGGTTCATGAGGTAA
2850 290 3	TATACAGCATCGTCGCCGGGCATA	TATGCCCGGCGACGATGCTGTATA
2851 290 4	GCTTAGTGGCGTCTTCGTCTAGG	CCTACGACGAAGACGCCACTAAGC
2852 290 5	TGCACTCCGCAACCTTG TGAATC	GATTTACAAGGTTGCGGAGTGCA
2853 290 6	AACCCGT CATGCCGACTCCATCTA	TAGATGGAGTCGGCATGACGGGTT
2854 290 7	AGCACTAGTGGCGTGCGACTTTGC	GCAAAGTCGCACGCCACTAGTGCT
2855 290 8	TAAAAAGTGCCGCTAAC CACGGAG	CTCCGTGGTTAGCGGCACTTTTTTA
2856 290 9	CGCGGAATATTTGTCGTCCGATTC	GAATCGGACGACAAATATTCCGCG
2857 291 0	TTCTGCTATGCGTATGGGGGCCCG	CGGGCCCCCATACGCATAGCAGAA
2858 291 1	CGAACTACTGCGTCAGCCTCTCCC	GGGAGAGGCTGACGCAGTAGTTCG
2859 291 2	AGATGACGAATTAGCGGGGTTGGG	CCCAACCCCGCTAATTCGTCATCT
2860 291 3	AATAACAGTGGCAATGAGCGGGAA	TTCCCGCTCATTGCCACTGTTATT
2861 291 4	ATATGTTGATTCCCGTGCTGCACA	TGTGCAGCACGGGAATCAACATAT
2862 291 5	AGAGTGGGCACCACCAGGCAGACA	TGTCTGCCTGGTGGTGCCCACTCT
2863 291 7	AGGCCTGGGTTTCTGCGTCTTAGT	ACTAAGACGCAGAAACCCAGGCCT
2864 291 8	CGGACGTGACAAACGGACATACCC	GGGTATGTCCGTTTGTCACGTCCG
2865 291 9	CAAGTGTTTCGGCCCAACTCTCGA	TCGAGAGTTGGGCCGAAACACTTG
2866 292 0	GAACCCTTATCGGGATAGGCCCAA	TTGGGCCTATCCCGATAAGGGTTC

2867 ²⁹²¹	CAGGACGATACCAAGCAGAACGCC	GGCGTTCTGCTTGGTATCGTCCTG
2868 ²⁹²²	GCGTCTTGTGATTCTGCCCTAACC	GGTTAGGGCAGAATCACAAGACGC
2869 ²⁹²³	AAACAACCATCAATGTCGGGTCCA	TGGACCCGACATTGATGGTTGTTT
2870 ²⁹²⁴	TGTAAAGACCAGTTGGCGGCTCTC	GAGAGCCGCCAACTGGTCTTTACA
2871 ²⁹²⁵	GCGTTTTGACTCGGTGGTCAGTCC	GGACTGACCACCGAGTCAAAACGC
2872 ²⁹²⁶	TGTATGGAGGCACGGCAAAGTCTT	AAGACTTTGCCGTGCCTCCATACA
2873 ²⁹²⁷	TTACCTAGGTTCCCCTGACACGC	GCGTGTGACGCGGAACCTAGGTAA
2874 ²⁹²⁸	CGGCTCGTGGGAATCCTCTGAAGA	TCTTCAGAGGATTCCCACGAGCCG
2875 ²⁹²⁹	CCGGCTCGGGCATTCTTGACCT	AGGTCCAAGAAATGCCCGAGCCGG
2876 ²⁹³⁰	CAACGATGGAATTGTCTCCTTGGG	CCCAAGGAGACAATTCCATCGTTG
2877 ²⁹³¹	CGGGCTATTATCGGGATTATGGGG	CCCCATAATCCCGATAATAGCCCG
2878 ²⁹³²	ACGTACCTGAAGATGCAACGGCGG	CCGCCGTTGCATCTTCAGGTACGT
2879 ²⁹³³	CATGGTGCAGCACGCACAAGTAAC	GTTACTTGTGCGTGCTGCACCATG
2880 ²⁹³⁴	CGTCGATATGTCGGGCTATTGCCT	AGGCAATAGCCCGACATATCGACG
2881 ²⁹³⁵	AAATGCAGGGTTAAGAGGAGGCCC	GGGCCTCCTCTTAACCCTGCATTT
2882 ²⁹³⁶	TGCAAGGACTGATTCTCCCGCTGT	ACAGCGGGAGAATCAGTCCTTGCA
2883 ²⁹³⁷	GTTTTCGGAACGCCGCAGAGTTCA	TGAACTCTGCGGCGTTCCGAAAC
2884 ²⁹³⁸	CCCTCGATGGTTCATTGGGAAGAC	GTCTTCCCAATGAACCATCGAGGG
2885 ²⁹³⁹	CCTGTTGCTCATAATGGTGGGGT	ACCCCAACCATTATGAGCGAACAGG
2886 ²⁹⁴⁰	GAAAGAACGATCGCGGAATAGCTG	CAGCTATTCCGCGATCGTTCTTTC
2887 ²⁹⁴¹	TCCACCTGTGTGCCTTTATCCTCA	TGAGGATAAAGGCACACAGGTGGA
2888 ²⁹⁴²	TCCTCCGTGAACCGCTGTAGCGCA	TGCGCTACAGCGGTTACAGGAGGA
2889 ²⁹⁴³	TTGAGATTTTTACGTTTTCCCGC	GCGGGGAAACCGTAAAAATCTCAA
2890 ²⁹⁴⁴	CGATAGGACGTGGGCATGTCCCAG	CTGGGACATGCCACGTCCTATCG
2891 ²⁹⁴⁵	CCCGAACTTTGAGATCCGAGAACA	TGTTCTCGGATCTCAAAGTTCGGG
2892 ²⁹⁴⁶	TCACGCAGCTAGAGTCGCGTTACC	GGTAACGCGACTCTAGCTGCGTGA
2893 ²⁹⁴⁷	AGATAACGCCCACTGACGACATGC	GCATGTCGTCAGTGGGCGTTATCT
2894 ²⁹⁴⁸	ACGCTTAGAGCTCCGATGCCGAAT	ATTCGGCATCGGAGCTCTAAGCGT
2895 ²⁹⁴⁹	GGGCGATAACTTAAATTGTGCCGC	GCGGCACAATTTAAGTTATCGCCC
2896 ²⁹⁵⁰	AGGACGTTTCATGCGTCTCTTTGCA	TGCAAAGAGACGCATGAACGTCTT
2897 ²⁹⁵¹	CGGCTGGTAGAACTGTGCATCGTA	TACGATGCACAGTTCTACCAGCCG
2898 ²⁹⁵²	TTCGAAATGTACTTCCACGCGGA	TCCGCGTGGGAAGTACATTTCGAA
2899 ²⁹⁵³	GCAGGTTGGCTGTCTTGTTGGAGTC	GACTCCACAAGACAGCCAACCTGC
2900 ²⁹⁵⁴	CGTTTGGTTGCTTCAAGAACCGGT	ACCGGTTCTTGAAGCAACCAAACG
2901 ²⁹⁵⁵	CATACTTGGTTGTTGTGCCACGC	GCGTGGGCACAACAACCAAGTATG
2902 ²⁹⁵⁶	GGGGTCGGCTGAAGTGTTTTATCC	GGATAAAACACTTCAGCCGACCCC
2903 ²⁹⁵⁷	GTGACGGTTGATTAACGACCGTGG	CCACGGTCGTTAATCAACCGTCAC
2904 ²⁹⁵⁸	CTTATGGCAGCGCCAGGGGCACTC	GAGTGCCCCTGGCGCTGCCATAAG
2905 ²⁹⁵⁹	GTTAGGGGACCCACCTCGTTTGAT	ATCAAACGAGGTGGGTCCCCTAAC
2906 ²⁹⁶⁰	CAATATAAATGCCGCGCATCGAGT	ACTCGATGCGCGGCATTTATATTG
2907 ²⁹⁶¹	TTCTTCATCAGCAGTCCCCGAGAA	TTCTCGGGGACTGCTGATGAAGAA

2785 2837	CCCTCAAGTGGGCGAGGGTTTTCA	TGAAAACCCTCGCCCACTTGAGGG
2786 2838	TCGCCTCCGCCTCGTGTGTAGAAG	CTTCTACACACGAGGCGGAGGCGA
2787 2839	TTCGCTTTCAGCTCATTGGAACGA	TCGTTCCAATGAGCTGAAAGCGAA
2788 2840	TGTAATCTGAACAAGCGGACCCCT	AGGGGTCCGCTTGTTTCAGATTACA
2789 2841	TGGAATCTTCTTGAGCGCCGTGA	TCACGGCGCTCAAGAAAGATTCCA
2790 2842	GGCTTTCATCTTTAACCCTCGGT	ACCGAGCGGTTAAAGATGAAAGCC
2791 2843	TGATCCGAGCCATTCTAATCACC	GGTGATTAGGAATGGCTCGGATCA
2792 2844	TGGTAGGCGTGATGTCCTACGCAA	TTGCGTAGGACATCACGCCTACCA
2793 2845	AGGCATCGGTAAGAAGGCCCTATG	CATAGGGCCTTCTTACCGATGCCT
2794 2846	CGCCGCGAGACGATCCTTATTATT	AATAATAAGGATCGTCTCGCGGCG
2795 2847	ACATGGACGAAATTACGCCCGTCA	TGACGGGCGTAATTTCTGCCATGT
2796 2848	ACAGAAAGGTGGGGAGCCTAGCGT	ACGCTAGGCTCCCCACCTTTCTGT
2797 2849	AGGCTTGCGAACATGGGTAGTGAC	GTCCTACCCATGTTTCGCAAGCCT
2798 2850	GCGTGGGCCTTGCTCCTGTTTAAAC	GTAAACAGGAGCAAGGCCACGCG
2799 2851	GAATACAGAGCGTCCGATGTGCC	GGGCACATCGGACGCTCTGTATTC
2800 2852	GCGACTCTGTAGGGAGCGCGATAT	ATATCGCGCTCCCTACAGAGTCGC
2801 2853	GGTGCACTCATATGCGTCGCATCG	CGATGCGACGCATATGAGTGCACC
2802 2854	CTGTCCCACGGGGAAACCTTACTT	AAGTAAGGTTTCCCCGTGGGACAG
2803 2855	TGGCTTACTGTCGCAATCTAGGCC	GGCCTAGATTGCGACAGTAAGCCA
2804 2856	GCACTCAGTTTCCGGTATCCCATG	CATGGGATACCGGAAACTGAGTGC
2805 2857	GTGAGGTTACGTAAGGCACAGCG	CGCTGTGCCTTACGTGAACCTCAC
2806 2858	GTAACGCCTTTGTCCCCAGCGTAT	ATACGCTGGGGACAAAGGCGTTAC
2807 2859	GCATTGATATGGTTCGGTCTCGCCT	AGGCGAGACCGACCATATCAATGC
2808 2860	GTGGGTTTAAGTGACAACGGACGC	GCGTCCGTTGTCACTTAAACCCAC
2809 2861	CAAAACCCTGCCGAAGATGTTGGT	ACCAACATCTTCGGCAGGGTTTTG
2810 2862	TCCGAGGAGACTGAACCTGCTACC	GGTAGCAGGTTCACTCTCCTCGGA
2811 2863	CGGGGAAGAACGGATTGCTAAAT	ATTTAGCGAATCCGTTCTTCCCCG
2812 2864	TGGTTAGCTTATGTCGGAGCCACC	GGTGGCTCCGACATAAGCTAACCA
2813 2865	ACGCGTCGATGAACTAAGGCTCGC	GCGAGCCTTAGTTCATCGACGCGT
2814 2866	TTCTCCTGACGAGTACGCAGTGGG	CCCACTGCGTACTCGTCAGGAGAA
2815 2867	TCCGCGGTTGCCGTTTGTAGGA	TCCTAACAACCGGCAACCGCGGA
2816 2868	TGGCGCATCTTTCAGGGGATGATG	CATCATCCCCGAAAGATGCGCCA
2817 2869	TCTTTGGTCCTTGGTGTTTACGCG	CGCGTAAACACCAAGGACCAAAGA
2818 2870	GAGAACTCCCGCTACAAAGGAGCC	GGCTCCTTTGTAGCGGGAGTTCTC
2819 2871	TTAACGTGGGAACCGTTGGTGAAT	ATTCACCAACGGTTCCACGTTAA
2820 2872	GGGACACCATCCTTGGGTTTGTTA	TAACAAACCAAGGATGGTGTCCC
2821 2873	CAACAAACCGCCTTGGAAGTGAC	GTCACCTCCCAAGGCGGTTTGTG
2822 2874	TTGAAGGCCACCGATACTGATCGC	GCGATCAGTATCGGTGGCCTTCAA
2823 2875	TCGTAATAGAACTGCGCCCAATGC	GCATTGGGCGCAGTTCTATTACGA
2824 2876	GGCACGTTGCCCAAGTTGGATCCA	TGGATCCAACCTGGGCAACGTGCC
2825 2877	ACATAGCTTGCCCGGACACCCACC	GGTGGGTGTCCGGCCAAGCTATGT

2908 2912	AGTTGCGTCCCTTGATGGCATT	AAAATGCCATCAAGGGACGCAACT
2909 2913	CCGACTTTCGTCCACGATTCCTCT	AGAGGAATCGTGGACGAAAGTCGG
2910 2914	ACTTGGCCGGACGACAGCAAAGAC	GTCTTTGCTGTCGTCCGGCCAAGT
2911 2915	CACCGCGGTAGATGTATCCCTTCC	GGAAGGGATACATCTACCGCGGTG
2912 2916	GTTAGCTTTAGCTCGGCACGCCTG	CAGGCGTGCCGAGCTAAAGCTAAC
2913 2917	GCGCATAAGAAGGTCCGCTAAAGC	GCTTTAGCGGACCTTCTTATGCGC
2914 2918	ACATCATCACGCCTGGCGTGACCA	TGGTCACGCCAGGCGTGATGATGT
2915 2919	CCGGCGAAGTTTGGTGTGATTAGA	TCTAATCACACCAAACCTTCGCCGG
2916 2971	TGCACCGCCAGATTGTGCTGAGTC	GACTCAGCACAATCTGGCGGTGCA
2917 2972	ACATGTGAAGTGAGTGCCGTCCAA	TTGGACGGCACTCACTTCACATGT
2918 2973	CCTCTGGAGGGGATTAGCCACGCT	AGCGTGGCTAATCCCCTCCAGAGG
2919 2974	CAATAGCCATGTCACTGGCAACGG	CCGTTGCCAGTGACATGGCTATTG
2920 2975	ACCCATGGTTCCAACGTTCTTTCG	CGAAAGAACGTTGGAACCATGGGT
2921 2976	AATCTGGTCTTGGCATCCTCCAAA	TTTGGAGGATGCCAAGACCAGATT
2922 2977	GTATACCGGTGCATGCTGAAGCAA	TTGCTTCAGCATGCACCGGTATAC
2923 2978	AGTGTCTGTTTCGAGTCGACCCG	CGGGTCGACTCGAACCAGAACACT
2924 2979	CGGGTATTCGACACACACGAGGAC	GTCCTCGTGTGTGTCGAATACCCG
2925 2980	AGTGCAACAGAGCGCTTGGTCACG	CGTGACCAAGCGCTCTGTTGCACT
2926 2981	TGCACCTATAGTTTGGTGCCGGTG	CACCGGCACCAAACCTATAGGTGCA
2927 2982	TGCTCACGTACCAGGACACTCGAG	CTCGAGTGTCTTGGTACGTGAGCA
2928 2983	AGTCCACACCTCGAACGACAGGCG	CGCCTGTCGTTTCGAGGTGTGGACT
2929 2984	CGCCGACCTGGTCAAAGAGCGCTA	TAGCGCTCTTTGACCAGGTGCGCG
2930 2985	GCCTAAGGGCCTGTGTTTTCCGA	TCGGAAAACGACAGGCCCTTAGGC
2931 2986	TGTGCGTGCTTATGTTCCGGTCTC	GAGACCGGAACATAAGCACGCACA
2932 2987	CAACCGTTGGCCGTAACAAAATC	GATTTTTGTTACGGCCAACGGTTG
2933 2988	CGAGAATCAAGGCGTACCATCTCG	CGAGATGGTACGCCTTGATTCTCG
2934 2989	GCGTAGGCAGCCTCCAGGGAATGG	CCATTCCCTGGAGGCTGCCTACGC
2935 2990	GATGGTGTTCGCGCAAGACCAAT	ATTGGTCTTGGCGAAAACACCATC
2936 2991	CAAGCTAGGGACAGAATTGCCAC	GTGGGCAATTCTGTCCCTAGCTTG
2937 2992	TAAATAGGCGAAACCGTTTCGTGGC	GCCACGAACGGTTTCGCCTATTIA
2938 2993	TCAAGACCCGCAATGTGTTTCATGT	ACATGAACACATTGCGGGTCTTGA
2939 2994	GCGGCTGGTAGACTCTTTGCACAA	TTGTGCAAAGAGTCTACCAGCCGC
2940 2995	CAGGCGTAAACCTGAACCAAACGG	CCGTTTGGTTACAGGTTTACGCCTG
2941 2996	GCCGATCTGTGCTGAGGTTTCATCA	TGATGAACCTCAGCACAGATCGGC
2942 2997	GATATCGCGTCGCAATATCACGCG	CGCGTGATATTGCGACGCGATATC
2943 2998	CCCTGCACGATTAAGCCACCTGTA	TACAGGTGGCTTAATCGTGCAGGG
2944 2999	TGACATACAGATTTGTGTGGCCCC	GGGGCCACACAAATCTGTATGTCA
2945 3000	GTTTGCGGCCGGTATTCACGATGT	ACATCGTGAATACCGGCCGCAAAC
2946 3001	TTTTACCTGGCCATTGGTGAGCTC	GAGCTCACC AATGGCCAGGTAAAA
2947 3002	CTCTACTCAATCAGGGTGGGAGCG	CGCTCCCACCCTGATTGAGTAGAG
2948 3003	GGGTTGAGGGAGTCTTGACCATT	AATGGTCAAGACTCCCTCCAACCC

2949 ³⁰⁰⁴	CGAGGTCGGTAAGGAAAAGCTTGC	GCAAGCTTTTCCTTACCGACCTCG
2950 ³⁰⁰⁵	CTTTACGCAGGCACCTCCGAGCTG	CAGCTCGGAGGTGCCTGCGTAAAG
2951 ³⁰⁰⁶	CATTGTATGGCCACGTGATTGACG	CGTCAATCACGTGGCCATACAATG
2952 ³⁰⁰⁷	GTACGGTGCGAGAGCGCCTAAGCG	CGCTTAGGCGCTCTCGCACCGTAC
2953 ³⁰⁰⁸	TTCCATATGCCGAAATGGACACAA	TTGTGTCCATTTCGGCATATGGAA
2954 ³⁰⁰⁹	TACGCCTTCCGCTATAGCTCGTGA	TCACGAGCTATAGCGGAAGGCGTA
2955 ³⁰¹⁰	CTGTACGCCACGCATGAAGGGTGA	TCACCCTTCATGCGTGCGGTACAG
2956 ³⁰¹¹	CTTACGCGTCCAATGACTGCCACC	GGTGGCAGTCATTGGACGCGTAAG
2957 ³⁰¹²	CACATGGTAGAACTCGATCGGCAG	CTGCCGATCGAGTTCTACCATGTG
2958 ³⁰¹³	CGCACCGGAAACTAGTGGATGTGT	ACACATCCACTAGTTTCCGGTGCG
2959 ³⁰¹⁴	ACTATGGCAACCGACACTTGGTCC	GGACCAAGTGTGCGGTTGCCATAGT
2960 ³⁰¹⁵	CTAGTTTGCGCTACCCACCTGCAA	TTGCAGGTGGGTAGCGCAAAGTAG
2961 ³⁰¹⁶	TAGTATCGCCCGACAATAGCCTGG	CCAGGCTATTGTGCGGGCGATACTA
2962 ³⁰¹⁷	CCAATATTTACGGCCTGATCAGCG	CGCTGATCAGGCCGTAAATATTGG
2963 ³⁰¹⁸	ATGGCTATCCCTTACTGGCTCGCC	GGCGAGCCAGTAAGGGATAGCCAT
2964 ³⁰¹⁹	CAAACTTGGCAGGCTTGGGACTT	AAGTCCCAAGCCTGCCAAGTTTTG
2965 ³⁰²⁰	AATGACCGAGGCTGCAAGATTGAC	GTCAATCTTGACGCTCGGTCAAT
2966 ³⁰²¹	ATCATCTTTCGCCACCAGACATGG	CCATGTCTGGTGGCGAAAGATGAT
2967 ³⁰²²	CGTTATTACCGATGCACACGTTGC	GCAACGTGTGCATCGGTAATAACG
2968 ³⁰²³	CACACTGGCAATCGCCTCCCTCGT	ACGAGGGAGGCGATTGCCAGTGTG
2969 ³⁰²⁴	AGGTTGGTAGGAAATCGGAGCGCT	AGCGCTCCGATTTCTACCAACCT
2970 ³⁰²⁵	GCTGAACCACTGTGGTCAAGATGC	GCATCTTGACCACAGTGGTTCAGC
2971 ³⁰²⁶	CGTTGAGTACGACACGGTCGAGGT	ACCTCGACCGTGTGCTACTCAACG
2972 ³⁰²⁷	TTTTTCCGCCGCAATGTGATCTAA	TTAGATCACATTGCGGCGGAAAAA
2973 ³⁰²⁸	ACAATACCTCGACCGCTCAGCATC	GATGCTGAGCGGTGCGAGGTATTGT
2974 ³⁰²⁹	AGTATCCCTGCTGGCATAACGCGG	CCCGTGTATGCCAGCAGGGATACT
2975 ³⁰³⁰	TCTTGGGCTCGGTAGTTCAGCACT	AGTGCTGAACTACCGAGCCCAAGA
2976 ³⁰³¹	CCCTATATCGAGCCCATAGGGCGA	TCGCCCTATGGGCTCGATATAGGG
2977 ³⁰³²	CACGAGTGGCATCAACGGCCTACT	AGTAGGCCGTTGATGCCACTCGTG
2978 ³⁰³³	TGCAGGGTCCGATGTGTTCAAGTA	TACTTGAACACATCGGACCCTGCA
2979 ³⁰³⁴	GCTTGACCGCTGCTAACCTCGTAC	GTACGAGGTTAGCAGCGGTCAAGC
2980 ³⁰³⁵	TTTTGCATCTCTCCACCATCCAGA	TCTGGATGGTGGAGAGATGCAAAA
2981 ³⁰³⁶	AGAATGTGCACCGGCTTCCATCTT	AAGATGGAAGCCGGTGCACATTCT
2982 ³⁰³⁷	TGTTATGACCCGCTCTGTGGCGTG	CACGCCACAGAGCGGGTCATAACA
2983 ³⁰³⁸	GGAGCTCCTGTTTCATCGAGGCTA	TAGCCTCGATGAAACAGGAGCTCC
2984 ³⁰³⁹	CATTTTGCTGTTTGGGGGTCCCAT	ATGGGACCCCCAAACAGCAAAATG
2985 ³⁰⁴⁰	CCCGCTCCTTCACGTGAGACGAGA	TCTCGTCTCACGTGAAGGAGCGGG
2986 ³⁰⁴¹	GCGCTCAAGTCGATTGCCACAACC	GGTTGTGGCAATCGACTTGAGCGC
2987 ³⁰⁴²	CGGTTGACGGAGACCGCAGTACTT	AAGTACTGCGGTCTCCGTCAACCG
2988 ³⁰⁴³	ACTCAAGACCGGTGCACCTCCAGC	GCTGGAGGTGCACCGGTCTTGAGT
2989 ³⁰⁴⁴	TTTCGTGTGCATGCAAGTAATGGC	GCCATTACTTGATGCACACGAAA

29903047	GCGGCGTTAGCTCGAGCTAACAAA	TTTGTTAGCTCGAGCTAACGCCGC
29913048	GGGTATCCTGCCCCGAGCAGTAATT	AATTACTGCTCGGGCAGGATACCC
29923049	GGCTCCGAATCTCTTGTCCGGTCT	AGACCGGACAAGAGATTCCGGAGCC
29933050	AGGATGGCCACGCCGAATCAAAGT	ACTTTGATTGCGCGTGGCCATCCT
29943051	GTGCGGGGACGTTTACATAACGAG	CTCGTTATGTAAACGTCCCCGCAC
29953052	ACTTTTGACCTGAGGCCGCTTGCA	TGCAAGCGGCCTCAGGTCAAAAGT
29963053	ACTCCGCTTCAATGGAGACCGTTG	CAACGGTCTCCATTGAAGCGGAGT
29973054	GATCGGAATTCGCCGCCATATTGA	TCAATATGGCGGCGAATTCCGATC
29983055	ATGCGTGCCCATGGAATGACTTTT	AAAAGTCATTCCATGGGCACGCAT
29993056	CCGCATCGCACGAAGGCAGGTCAT	ATGACCTGCCTTCGTGCGATGCGG
30003057	CACCCTATGCGTCTCCAATTCCTG	CAGGAATTGGAGACGCATAGGGTG
30013058	TGATATGCATCGCTGAGCCTCTGT	ACAGAGGCTCAGCGATGCATATCA
30023059	AGCTTCACACGCTCACTGAACCTG	CAGGTTCAGTGAGCGTGTGAAGCT
30033060	AACCCGGAACCTCCTCTCACTCGG	CCGAGTGAGAGGAGGTTCCGGGTT
30043061	CTCGTCAAACCTTGCCCGAGGAGTC	GACTCCTCGGCCAAGTTTGACGAG
30053062	GTAGCTGGCAACAGGCAATCAGGA	TCCTGATTGCCTGTTGCCAGCTAC
30063063	CTTGTCACGAATATTCGCCAAGCG	CGCTTGCGGAATATTCGTGACAAG
30073064	CAGTATCTGAAACACGGGGTGCTG	CAGCACCCCGTGTTTCAGATACTG
30083065	GGCTAAAATGGGCGCCACGTGTA	TACACGTGGGCGCCCATTTTAGCC
30093066	ATGAGAGCCAAGCGCCTCAACTCC	GGAGTTGAGGCGCTTGGCTCTCAT
30103067	TATTGTTAGGCACCGCTTCGCGCT	AGCGCGAAGCGGTGCCTAACAATA
30113068	GGAAGTAGATTGCCAGTGCTCGCC	GGCGAGCACTGGCAATCTAGTTCC
30123069	AGTCGACCCCAAGGCAACTGGGTC	GACCCAGTTGCCTTGGGGTCGACT
30133070	GGTACTGTTAGCTCGACGATGGCC	GGCCATCGTCGAGCTAACAGTACC
30143071	CCGCAATACTTGACGGTAACAGGG	CCCTGTTACCGTCAAGTATTGCGG
30153072	AATTCCGGGTTTGAACGGTTGGAA	TTCCAACCGTTCAAACCCGGAATT
30163073	GACACGCAATCGGGTCTATGCGAA	TTCGCATAGACCCGATTGCGTGTC
30173074	GATTTTGGCGTCTCATTGCGTGAT	ATCACGCAATGAGACGCCAAAATC
30183075	TGCCATAGGGAGGAAACGCAATTA	TAATTGCGTTTCCTCCCTATGGCA
30193076	GAGGTGCCCATGTTAGTGGTGTCC	GGACACCACTAACATGGGCACCTC
30203077	GCTTTAGCGGTCATACGACCACCA	TGGTGGTCGTATGACCGCTAAAGC
30213078	CCGCTACCAACAATCCGATTAACG	CGTTAATCGGATTGTTGGTAGCGG
30223080	GAGGATCTGGCCACATCGAGAAAG	CTTTCTCGATGTGGCCAGATCCTC
30233081	CTCGTTTGGTACCACGTTTTGCCG	CGGCAAAACGTGGTACCAAACGAG
30243082	AATACACGCGGCGTAAACAGACGA	TCGTCTGTTTACGCCGCGTGTATT
30253083	TGTCATGGGCCAAATGACAGTGGC	GCCACTGTCATTTGGCCCATGACA
30263084	ACAGCACTTCCGACCCGTGTACGA	TCGTACACGGGTCGGAAGTGCTGT
30273085	CTCCGTAAAGAGCACAGCTTTGCC	GGCAAAGCTGTGCTCTTTACGGAG
30283086	ACGAACAGGTAGGGATCGGTCCTC	GAGGACCGATCCCTACCTGTTCTG
30293087	TGGATCCACCTTACCGCGCCATCG	CGATGGCGCGGTAAGGTGGATCCA
30303088	AGTATCAAATAGCGGCGCGGCAAG	CTTGCCGCGCGCTATTTGATACT

30313089	GAATTACATTGTGGATGGAGGCGG	CCGCCTCCATCCACAATGTAATTC
30323090	CTCCTCGGGGAGTCGAGGAGTACG	CGTACTCCTCGACTCCCCGAGGAG
30333091	AGTGTCGAGCCAACTCCCACCAAT	ATTGGTGGGAGTTGGCTCGACACT
30343092	AAATGACATCCGTTTGCCACAGC	GCTGTGGCCAAACGGATGTCATTT
30353093	CGAATCATATCGCCATCGAACTGG	CCAGTTCGATGGCGATATGATTGG
30363094	TATAATGCACTCGCTTGGTGCGCA	TGCGCACCAAGCGAGTGCATTATA
30373095	GCCAAGCAGATGGTAATTATGGCG	CGCCATAATTACCATCTGCTTGGC
30383096	CACGCGGGAAGAGCACGTAGAACT	AGTTCTACGTGCTCTTCCCGCGTG
30393097	TACCCGAGAATTTGGAGAACAGCG	CGCTGTTCTCCAAATTCTCGGGTA
30403098	TGACGGCAAACGTGTGGCATCTATC	GATAGATGCCACAGTTTGCCGTCA
30413099	CACAGTGTTCCAGCCCTTGACGAT	ATCGTCAAGGGCTGGAACACTGTG
30423100	TACCCGCCACACATGAAAGTTGG	CCAACTTTTCATGTGTGGGCGGGTA
30433101	TGGCATATTTAAGATTCGGCGACG	CGTCGCCGAATCTTAAATATGCCA
30443102	ACTGAAAAAAGAACGGGTAGCGGG	CCCGCTACCCGTTCTTTTTTCAGT
30453103	TCTGACCGCAATAGGTGGTCATTG	CAATGACCACCTATTGCGGTCAGA
30463104	ACTTTTTGGCGGGCCCTCTCTCGT	ACGAGAGAGGGCCCGCCAAAAAGT
30473105	CTGCCCAGATCATTGCGCGATCCG	CGGATCGCGCAATGATCTGGGCAG
30483106	CGGAGGTTAAATGCTTTAACCGGC	GCCGGTTAAAGCATTTAACCTCCG
30493107	AGGCGTCTCCAAACGTCCTTCTGT	ACAGAAGGACGTTTGGAGACGCCT
30503108	AGATGCTATCCTGAGTGGGCCTGC	GCAGGCCCACTCAGGATAGCATCT
30513109	ACAGGGTGAAGAGACCGTGGGATG	CATCCACCGTCTCTTCACCCTGT
30523110	GACTGTCTAACGGACGACACGACG	CGTCGTGTCGTCCGTTAGACAGTC
30533111	AGCTGTTAGGACCCGACAACCGGT	ACCGGTTGTCGGGTCTAACAGCT
30543112	TTGCGTAGTGTGGGCATTTCTCT	AGAGGAAATGCCACACTACGCAA
30553113	ATGCGCGCTTCTTTCTTGATGTA	TACATCAAGGAAAGAAGCGCGCAT
30563114	TTAAGGGCGTCCGCGTCTATTGAG	CTGAATAGACGCGGACGCCCTTAA
30573115	ACCTTTAACTTGTACCGCGGCCC	GGGCCGCGGTACAAGTTTAAAGGT
30583116	AGGGATGCAGAGGCACCACATGTT	AACATGTGGTGCCTCTGCATCCCT
30593117	CGGTTCGACGTATGAGCATCCGCA	TGCGGATGCTCATACGTGGAACCG
30603118	CAGGGCGATAGTCACATGGAGGTT	AACCTCCATGTGACTATCGCCCTG
30613119	GCTTGACTGCCCCGTTTCATATGT	ACATATGAAACGGGGCAGTCAAGC
30623120	CGAAGGGGTTGTGCAATTACCCGA	TCGGGTAATTGCACAACCCCTTCG
30633121	AAAACGCACCGCAATGACAAAATT	AATTTTGTCAATTGCGGTGCGTTTT
30643122	ATTCCTGGACAAGACCCTCAACCG	CGGTTGAGGGTCTTGTCCAGGAAT
30653123	CCTACCTGCCTGCTAGCGGTGAGG	CCTCACCGCTAGCAGGCAGGTAGG
30663124	GCTCGTAAATGGGGAGGAATTGGA	TCCAATTCCTCCCCATTACGAGC
30673125	ACATGAAAACAGGCTCAATTGGGG	CCCCAATTGAGCCTGTTTTTCATGT
30683126	GTTCCGCACATGGATTGAGGTCTC	GAGACCTCAATCCATGTGCGGAAC
30693127	GGCACCCAATACCACGAAGAAGAA	TTCTTCTTCGTGGTATTGGGTGCC
30703128	AGGGGCATTTGAACTCCATCTTT	AAAGATGGAGTTCGAAATGCCCT
30713129	CATCATCACAAAGGAACGTCGGTG	CACCGACGTTCTTTGTGATGATG

30723130	TAAAGACCCACCGTCAGCAGCAGC	GCTGCTGCTGACGGTGGGTCTTTA
30733131	CCCCAGGCGTAATGCACCACATAG	CTATGTGGTGCATTACGCCTGGGG
30743132	GCAGGTCGAACGCTAGTGGTTGAA	TTCAACCACTAGCGTTCGACCTGC
30753133	GGAACCTAGGAGTTCACGTCGCCA	TGGCGACGTGAACTCCTAAGTTCC
30763134	GCAGATACGGCTAGCTGAGGTGGC	GCCACCTCAGCTAGCCGTATCTGC
30773135	CACAGGCCTAGAGCCTCGGCGTTC	GAACGCCGAGGCTCTAGGCCTGTG
30783136	GTTTTGCGCGCATGAGGTTCAATTA	TAATGAACCTCATGCGCGCAAAAC
30793137	TTGCGCCTGATGCCAGCAGTACTA	TAGTACTGCTGGCATCAGGCGCAA
30803138	GATATCAGGCTTTCCCACTGCCGC	GCGGCAGTGGGAAAGCCTGATATC
30813139	TGCGCGGAGACGGAGATCTATGAA	TTCATAGATCTCCGTCTCCGCGCA
30823140	CATTGGTGTTGGCTGAGAGTGGAC	GTCCACTCTCAGCCAACACCAATG
30833141	GTCGGCACTTGGGCACCATTAATA	TATTAATGGTGCCCAAGTGCCGAC
30843142	ATCGATCGGTGTCTCACCACGGAG	CTCCGTGGTGAGACACCGATCGAT
30853143	CGTAGCCTTCCACCGTGTGATAG	CTATCGACACGGTGGAAAGGCTACG
30863144	CGCTCTCCGTCTGAGGAAAAGGGG	CCCCTTTTCTCAGACGGAGAGCG
30873145	TCGCCCCAGCCAAGGATATATTGC	GCAATATATCCTTGGCTGGGGCGA
30883146	TCTCTTGCAAGGAACTCTGCCGTC	GACGGCAGAGTTCCTTGCAAGAGA
30893147	GTCCTGGACAGACGGAGGGTGTTA	TAACACCCTCCGTCTGTCCAGGAC
30903148	GCCAAATTAAGCGGGCTCGTAATC	GATTACGAGCCCGCTTAATTTGGC
30913149	CCATTTGTTGACCGATGGGAGGGG	CCCCTCCCATCGGTCAACAAATGG
30923150	TGGTCAAAAGAGCACGATCCAGGA	TCCTGGATCGTGCTCTTTTGACCA
30933151	CGCTACTAAGACGCCCCTGTCCAC	GTGGACAGGGGGCGTCTTAGTAGCG
30943152	CATACCTCCCGCTTGGATTCACTG	CAGTGAATCCAAGCGGGAGGTATG
30953153	CCGCGGAAGGAATGTCATCTACAA	TTGTAGATGACATTCTTCCGCGG
30963154	CACGGGACATTCATTCACAGGACG	CGTCCTGTGAATGAATGTCCCGTG
30973155	AGGAGTCACCCACTCCGCACAAAA	TTTTGTGCGGAGTGGGTGACTCCT
30983156	TCATGACAGCGCACCCCATACCAT	ATGGTATGGGGTGCGCTGTATGA
30993157	GGTAGGGGACTATCGATCGTGCTG	CAGCACGATCGATAGTCCCCTACC
31003158	ATGTCTCACTACCGCACGTAGCGG	CCGCTACGTGCGGTAGTGAGACAT
31013159	ACGGAGGAGCGACTCGTTCGCTGC	GCAGCGAACGAGTCGCTCCTCCGT
31023160	GAAGTCTGTGCGCGGTGGACGGAC	GTCCGTCCACCGGCGACAGACTTC
31033161	CCGTAACGTGTATTCGGACGAGCG	CGCTCGTCCGAATACAGTTACGG
31043162	CGTGGAAGCGACTTAACCAATCGT	ACGATTGGTTAAGTCGTTCCACG
31053163	GGCATGGGCTATGCCTCACACTAG	CTAGTGTGAGGCATAGCCCATGCC
31063164	GGGTCTGATTTTACGCATCGTTCGT	ACGAACGATGCTGAAATACGACCC
31073165	AATGGTTCGCGCAAACCGTAAGAAT	ATTCTTACGGTTTGCGCGACCATT
31083166	CTGGATTGCGGTACGTCCAACGTTT	AAACGTTGGACGTACCGAATCCAG
31093167	CGCAAAAACACCCGTAGCCAAGAA	TTCTTGGCTACGGGTGTTTTTGCG
31103168	TATGGATACGCTTTTGGACTGGGC	GCCCAGTCCAAAAGCGTATCCATA
31113169	GCTTCAAACGCGCTTCACGCTGGT	ACCAGCGTGAAGCGCGTTTGAAGC
31123170	TACAGCCCGCTCTACCTCGCCACC	GGTGGCGAGGTAGAGCGGGCTGTA

31133172	TCAACCGATGTCAAATGCACGTT	AACGTGCATTTTGACATCGGTTGA
31143173	AGCTCTCTCCGAAGTAGGGCGGTA	TACCGCCCTACTTCGGAGAGAGCT
31153174	ACGCACACATGGAGACTTGGCTCC	GGAGCCAAGTCTCCATGTGTGCGT
31163175	TTCTTGAAAGCTAGTGGGGCGCTA	TAGCGCCCCACTAGCTTTCAAGAA
31173176	CAATCACGGCTGGGCTATTCTGTG	CACAGAATAGCCCAGCCGTGATTG
31183177	GTGGCGACCCGTCGGTGAAAGAGT	ACTCTTTCACCGACGGGTCGCCAC
31193178	CGTCGAATGCCGAACCAGTTAAGT	ACTTAACTGGTTCGGCATTTCGACG
31203179	TGCGTATTTGCATGCTCACAGCTG	CAGCTGTGAGCATGCAAATACGCA
31213180	CGCAGTTGGTTTGTGCACGGCTGC	GCAGCCGTGCACAAACCAACTGCG
31223181	GTTTTTCCGTGAAAACCTGGCATCG	CGATGCCAGTTTTACGGAAAAAC
31233182	ACAGGTTCTCCACCACGATTTGA	TCAAATCGTGGTGGAGGAACCTGT
31243183	CTAGCGCGCTTTTAGGTCCTTGCG	CGCAAGGACCTAAAAGCGCGCTAG
31253184	CAAAATCAAAGGGATCAACCGGTG	CACCGGTTGATCCCTTTGATTTTG
31263185	AACGTAACCCCAAGTGAGTCAGGCA	TGCCTGACTCACTGGGGTTACGTT
31273186	TCAACCGGTGCACCTTTAGAACGCC	GGCGTTCTAAAGTGCACCGGTTGA
31283187	ATCGCAAAGTTGCAGGCGAATACT	AGTATTCGCCTGCAACTTTGCGAT
31293188	ATATGTCCCTGGGTGCTGCACAAC	GTTGTGCAGCACCCAGGGACATAT
31303189	TGGCACTTTGTAGTGCTGCGGTGG	CCACCGCAGCACTACAAAGTGCCA
31313190	ACGCACGACGTCCTTCTAAGCTCG	CGAGCTTAGAAGGACGTCGTGCGT
31323191	CCCACGTGCACTATAGGGATTTTCG	CGAAATCCCTATAGTGCACGTGGG
31333192	CCGCGCTTGGTCAGTCATCCTTGC	GCAAGGATGACTGACCAAGCGCGG
31343193	AGCGGCTCAGGGAATAACAACAGG	CCTGTTGTTATTCCCTGAGCCGCT
31353194	ACAACGCGATCGGAGGCAACCAGT	ACTGGTTGCCTCCGATCGCGTTGT
31363195	AGCAATTGCCTCCGTAGAAACCCA	TGGGTTTCTACGGAGGCAATTGCT
31373196	GAGTCGTGGCATCGCCTGCTATCG	CGATAGCAGGCGATGCCACGACTC
31383197	TCTATGCAAATACTGCGCTTGCGA	TCGCAAGCGCAGTATTTGCATAGA
31393198	TCAGCTTAAGTTACGGTGTGGCCG	CGGCCACACCGTAACTTAAGCTGA
31403199	TCCAAGGTGGAACAGGGATCAGAA	TTCTGATCCCTGTTTCGACCTTGA
31413200	GTTAGGCTGGCGTCAATAGCGCTT	AAGCGCTATTGACGCCAGCCTAAC
31423201	GGTGTCATAAGGAAGAGGGCATCG	CGATGCCCTCTTCCTTATGACACC
31433202	CCGGCGGGCTAGATCAATATTTCT	AGAAATATTGATCTAGCCCGCCGG
31443203	CTAACGTCAAGTTTTACGCCCCGA	TCGGGGCGTAAACTTGACGTTAG
31453204	GCAGCACAGTTTTCCGATTTGCGG	CCGCAAATCGGAAAACGTGCTGC
31463205	CGCACGCAAGGGGAGGGATGACTG	CAGTCATCCCTCCCCTTGCGTGCG
31473206	CGGGGGCCGAAAAGGACGTCACAAG	CTTGTGACGTCTTTTCGGCCCCG
31483207	TTCTCCAACACGGCTAACC GG TAG	CTACCGGTTAGCCGTGTTGGAGAA
31493208	TTACAGCCTGGCCCGAGGTAGTTG	CAACTACCTCGGGCCAGGCTGTAA
31503209	TTTCGGGCAGCATGAGTTATCGAA	TTTGATAACTCATGCTGCCCCGAAA
31513210	CTACTGGACGCCCTGCTTCGAAGT	ACTTCGAAGCAGGGCGTCCAGTAG
31523211	GGTCGTCCGACGTGAAAAGACCAA	TTGGTCTTTTCACGTGGACGACC
31533212	GTTTTTCGAGCTCTTTCTCCGCAGG	CCTGCGGAGAAAGAGCTCGAAAAC

3154 3213	GCGTGAAGGTACCCAGTGTACACAG	CTGTGACACTGGGTACCTTCACGC
3155 3214	TTTCTGAACGCTTCGACGCAACAC	GTGTTGCGTCGAAGCGTTCAGAAA
3156 3215	TGCTAATAAGCACGCCTAGCCCGT	ACGGGCTAGGCGTGCTTATTAGCA
3157 3216	AAATTAATTGTGGTGGCTCCGGCG	CGCCGGAGCCACCACAATTAATTT
3158 3217	TTACAATCCTCGGGCTCACTGACA	TGTCAGTGAGCCCGAGGATTGTAA
3159 3218	GCTGAAGGACAAGGCGTGGGCAAC	GTTGCCACGCCTTGTCTTCAGC
3160 3219	GGGATAGGAGACCCTCGCAATGGT	ACCATTGCGAGGGTCTCCTATCCC
3161 3220	TTGCAGTACGTCCTTGCGCATGAA	TTCATGCGCAAGGACGTACTGCAA
3162 3221	TTGATCACTGGATTGGGTGCGAAC	GTTGCGACCCAATCCAGTGATCAA
3163 3222	TCTGCAGACGTTGCGAGAGATGAT	ATCATCTCTCGCAACGTCTGCAGA
3164 3223	AGTCTAGCAGGGATCGAAGCGGAT	ATCCGCTTCGATCCCTGCTAGACT
3165 3224	GGGGTCCCGCAACAATAATGAAG	CTTCATTAGTTGTTGCGGGACCCC
3166 3225	CAACCTCTTATGTGGTGTGCGCGA	TCGCGCACACCACATAAGAGGTTG
3167 3226	CTCGCTGGGTTGCTGGAGTAGCAC	GTGCTACTCCAGCAACCCAGCGAG
3168 3227	CGTTGTATTGTGCAACGCGAAGTT	AACTTCGCGTTGCACAATACAACG
3169 3228	GGGCTCAAAGTGCCTGAGTCGAAA	TTTCGACTCAGGCACTTTGAGCCC
3170 3229	CTGCTGTGCCCTCTCAGTGAGAGC	GCTCTCACTGAGAGGGCACAGCAG
3171 3230	CGGACGTACTGTTCCGAGTCCTCA	TGAGGACTCCGAACAGTACGTCCG
3172 3231	GTATACCACCATACCGGGACCGCA	TGCGGTCCCGGTATGGTGGTATAC

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Table 3 starting on page 217 has been amended as follows:

TABLE 3

Seq. ID No.	Decoder Sequence (5'-3')	Probe Sequence (5'-3')
47	TTCGCCGTCGTGTAGGCTTTTCAA	TTGAAAAGCCTACACGACGGCGAA
18	GTTCCCAGTGAAGCTGCGATCTGG	CCAGATCGCAGCTTCACTGGGAAC
19	TACTTGGCATGGAATCCCTTACGC	GCGTAAGGGATTCCATGCCAAGTA
20	ACTAGCATATTTTCAGGGCACC GGC	GCCGGTGCCCTGAAATATGCTAGT
21	GAACGGTCAATGAACCCGCTGTGA	TCACAGCGGGTTCATTGACCGTTC
22	GCGGCCTTGGTTCAATATGAATCG	CGATTCATATTGAACCAAGGCCGC
23	GATCGTTAGAGGGACCTTGCCCGA	TCGGGCAAGGTCCCTCTAACGATC
24	TGGACCTAGTCCGGCAGTGACGAA	TTCGTCACTGCCGGACTAGGTCCA
25	ATAAACTACCCAGGACGGGCGGAA	TTCCGCCCCTCCTGGGTAGTTTAT
26	CATCGGTTTCGCGCCAATCCAGATA	TATCTGGATTGGCGCGAACC GATG
27	GTCGGGCATAGAGCCGACCACCCT	AGGGTGGTCCGCTCTATGCCCGAC
28	CTTGGGTCATGATTCACCGTGCTA	TAGCACGGTGAATCATGACCCAAG
29	TGCCTAACGTGCTAATCAGCAGCG	CGCTGCTGATTAGCACGTTAGGCA
30	CGCATGTTGGAGCATATGCCCTGA	TCAGGGCATATGCTCCAACATGCG
31	AGCCACTGCATCAGTGCTGTTCAA	TTGAACAGCACTGATGCAGTGGCT
32	GGTTGTTTTGAGGCGTCCCACACT	AGTGTGGGACGCCTCAAAACAACC
33	TCGACCAAGAGCAAGGGCGGACCA	TGGTCCGCCCTTGCTCTTGGTCGA
34	GACATCGCTATTGCGCATGGATCA	TGATCCATGCGCAATAGCGATGTC
35	GAAATACGAAGTCTGCGGGAGTCG	CGACTCCCGCAGACTTCGTATTTT
36	TGTCATGAATGATTGATCGCGCGA	TCGCGCGATCAATCATT CATGACA
37	ATATCGGGATTTCGTTCCCGGTGAA	TTACCGGGGAACGAATCCCGATAT
38	GCGAGCGTACCGAAGGGCCTAGAA	TTCTAGGCCCTTCGGTACGCTCGC
39	TTACCGGCAGCGGACTTCCGAATT	AATTCGGAAGTCCGCTGCCGGTAA
40	GTAATCGAGAGCTGCGCGCCGTCT	AGACGGCGCGCAGCTCTCGATTAC
41 ⁴²	CCTGTTAGCGTAGGCGAGTCGATC	GATCGACTCGCCTACGCTAACAGG
42 ⁴³	TAGCGGACCGGCAGAATGAGTTCC	GGAACTCATTCTGCCGGTCCGCTA
43 ⁴⁴	GGTACATGCACTACGCGCACTCGG	CCGAGTGCGCGTAGTG CATGTACC
44 ⁴⁵	AATTCATCTCGGACTCCCGCGGTA	TACCGCGGGAGTCCGAGATGAATT
45 ⁴⁶	GCCAAATCTGGATTGGCAGGAATG	CATTCTGCCAATCCAGATTTGGC
46 ⁴⁷	TGCATTTTCGTTGAGGCACATCC	GGATGTGCCTCAACCGAAAATGCA
47 ⁴⁸	CCGCTCAATTCACCATGCTTCGCT	AGCGAAGCATGGTGAATTGAGCGG
48 ⁴⁹	CTCGGAAAGGTGCAACTTTGGTGT	ACACCAAAGTTGCACCTTTCCGAG

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4950	AATTCGACCAGCAGAACGTCCCAT	ATGGGACGTTCTGCTGGTCAATT
5051	GCCAGAGTCTCAACCTCACGGGAT	ATCCCGTGAGGTTGAGACTCTGGC
5152	CCAACAACCTGGAACGGAACCCGC	GCGGGTTCCCGTTCCAGTTGTTGG
5253	GAGAACTGATCGCTGAGGGGCATG	CATGCCCTCAGCGATCAGTTCTC
5354	GGCACACTAGACTTGTGGCACCGA	TCGGTGCCACAAGTCTAGTGTGCC
5456	TCACATCCAAATATGGTCCGCGAA	TTCGCGGACCATATTTGGATGTGA
5557	GTCTGCCGGTGTGACCGCTTCATT	AATGAAGCGGTACACCCGGCAGAC
5658	CATCGCAGAGCATAAACACCCTCA	TGAGGGTGTTTATGCTCTGCGATG
5759	GTTGGTATCTATGGCAGAGGCGGA	TCCGCCTCTGCCATAGATACCAAC
5860	ACGAGGTGCCGCTGAGGTTCCATT	AATGGAACCTCAGCGGCACCTCGT
5961	GGAATGAGTGGACCCAGGCACATT	AATGTGCCTGGGTCCACTCATTCC
6062	TGTCAATATGCGTCCGTGTCGTCT	AGACGACACGGACGCATATTGACA
6163	TGATGAGCCTCAGGGTACGAGGCA	TGCCTCGTACCCTGAGGCTCATCA
6264	CACCGCGGTGTTCTACAGAAATGA	TCATTCTGTAGGAACACCGCGGTG
6365	TTGTTGCCAATGGTGTCCGCTCGG	CCGAGCGGACACCATTGGCAACAA
6466	TTAACCTGCGTCTGCCCTTTCT	AGGAAAGGGGCAGACGCAGGTTAA
6567	AGGCGCGTTCTGCTTAGTGACG	CGTCACTAAGGCAGGAACGCGCCT
6668	TAGGGCGATGGCACGAAGCTTCAA	TTGAAGCTTCGTGCCATCGCCCTA
6769	TGCATAGAGCCAAAGTCGGCGATG	CATCGCCGACTTTGGCTCTATGCA
6870	TTGAGAGGCAGGTGGCCACACGGA	TCCGTGTGGCCACCTGCCTCTCAA
6971	TCCGCATTGTGAGAAAAACGAGC	GCTCGTTTTTTCTCACAATGCGGA
7072	GGCGGTTTCCGTAGCTATAGGTGC	GCACCTATAGCTACGGAAACCGCC
7173	GGTGAAAATTCGTAGCCACGGGC	GCCCGTGGCTACGAAATTTTACC
7274	CCGACGGAGGATGAAGACAATCAC	GTGATTGTCTTCATCCTCCGTCGG
7375	CCAGTTTGGCCCAATTCGCCAAAA	TTTTGGCGAATTGGGCCAAACTGG
7476	GGATCTATTAGGCCGTGCGCACAG	CTGTGCGCACGGCCTAATAGATCC
7577	CGGATGTCACCGTTTGGACTTTCA	TGAAAGTCCAAACGGTGACATCCG
7678	ATCGCAAATCCTGCTCGTCCCTAA	TTAGGGACGAGCAGGATTTGCGAT
7779	CAGGGCATGCAATAATCGAGGTTT	GAACCTCGATTATTGCATGCCCTG
7880	CATGCGTTGATATATGGGCCCAAG	CTTGGGCCCATATATCAACGCATG
7981	CAGCTGCAGCTTGTGACCAACCAC	GTGGTTGGTCACAAGCTGCAGCTG
8082	TTGTATGTCTGCCGACCGGCGACC	GGTCGCCGGTCGGCAGACATACAA
8183	GATGGCGCCCGTTGATAGGTATGG	CCATACCTATCAACGGGGCGCCATC
8284	ATGAGAATCGCCGGCAATCTGCTA	TAGCAGATTGCCGGCGATTCTCAT
8385	ATTTGCACTGACCGCAGGCTCGTG	CACGAGCCTGCGGTGAGTGCAAT
8486	CAGGGAGAACGGTTAAGTTCCCGT	ACGGGAACCTAACC GTTCTCCCTG
8587	AGGCCGGCGATCGAGGAGTTTGGT	ACCAAACCTCCTCGATCGCCGGCCT
8688	ACACGGTGGTCTCTGATAGCGACC	GGTCGCTATCAGAGACCACCGTGT

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87 89	GTGCAACGCCGAGGACTTCCATCA	TGATGGAAGTCCTCGGCGTTGCAC
88 90	TCGGTGCCTGATAGCCATTCCGAT	ATCGGAATGGCTATCAGGCACCGA
89 91	TGAAATACCACACAGCCAATTGGC	GCCAATTGGCTGTGTGGTATTTCA
90 92	GCATCGTGTACATGACTGCCGCGA	TCGCGGCAGTCATGTACACGATGC
91 93	CAGTGTTCTAACGGCGCGCGTGAA	TTACGCGCGCCGTTAGAACACTG
92 94	CGCTTGCAACGTTGCACCTACTCT	AGAGTAGGTGCAACGTTGCAAGCG
93 95	CGAAAACTAGTGGGCTCGCCGCG	CGCGGCGAGCCCACTAGTTTTTCG
94 96	CTTTCAGGGGAAGTCCGGAGTCG	CGACTCCGGCAGTTCCTCTGAAAG
95 97	TTGTGGCCTTCTTGTAAGGCACG	CGTGCCTTTACAAGAAGGCCACAA
96 98	TCCACGAACGGCGACCCGTTGTCT	AGACAACGGGTGCGCCGTTCTGTGA
97 99	CGACCTTGACGAAACCTAACGAG	CTCGTTAGGTTTCGTGCAAGGTCG
98 100	GTGCAGCTTCACGAGCCAGCCTGA	TCAGGCTGGCTCGTGAAGCTGCAC
99 101	CGCTTTCGTGCGAATAGACGATGA	TCATCGTCTATTCGCACGAAAGCG
100 102	TGCGCTTACAGGCTCCTAGTGGTC	GACCACTAGGAGCCTGTAAGCGCA
101 103	CACGCGCTTAGTCGCGATCGCATA	TATGCGATCGCGACTAAGCGCGTG
102 104	CGGAGGGAGGGAGCTAGCCTTCGA	TCGAAGGCTAGCTCCCTCCCTCCG
103 105	GCATCCGGCCTGTTGATGACGCCT	AGGCGTCATCAACAGGCCGGATGC
104 106	AGGCCAATCGATCTTATTGCCGAG	CTCGGCAATAAGATCGATTGGCCT
105 107	CCTTCCAATGATTGCATACGCCCA	TGGGCGTATGCAATCATTGGAAGG
106 108	AACACTTGATCAGGCGGGTCGTCT	AGACGACCCGCCTGATCAAGTGTT
107 109	TGGAATCAAGGCCGTAAAGGACAG	CTGTCCTTTACGGCCTTGATTCCA
108 110	GCTCCCGTAACCTGTCCACCAGTG	CACTGGTGGACAGGTTACGGGAGC
109 111	AGTGGTGAATGGCCGCTACCCTGA	TCAGGGTAGCGGCCATTCACTACT
110 112	TGTTGAAGCGAGCTAAAACGGCCA	TGGCCGTTTTAGCTCGCTTCAACA
111 113	CAGCGCTCCAGAATTGACAGCAAT	ATTGCTGTCAATTCTGGAGCGCTG
2	TTCGAAGCGCACGTCCCTTTTCAA	TTGAAAAGGGACGTGCGCTTCGAA
3	AACGCGTGGGGAATGGGACATCAA	TTGATGTCCATTCCCCACGCGTT
114 117	CACGAGATACCGGCGTAAGGGTGG	CCACCCTTACGCCGGTATCTCGTG
115 118	CTACGGCAAACGTGTGGAATGGGT	ACCCATTCCACACGTTTGCCGTAG
116 119	GTAGGGCGATGACGGGCGAACTAC	GTAGTTCGCCCCGTCATCGCCCTAC
117 120	AATCGACCTCCGCACACATTGCA	TGCGAATGTGTGCGGAGGTGATT
118 121	GAGTCAGCATGGCGGCGGAGATTC	GAATCTCCGCCGCCATGCTGACTC
119 122	AGATAAAGACGCTGGCAACACGGG	CCCGTGTTGCCAGCGTCTTTATCT
120 123	GGTACCTCAACGCGAACCCTTGT	ACAAGTGGTTCGCGTTGAGGTACC
121 124	AAGCGATGGCTACCCAAGAGCGAT	ATCGCTCTTGGGTAGCCATCGCTT
122 125	AGAGCTTATGCAGAACCAGGCGCC	GGCGCCTGGTTCTGCATAAGCTCT
123 126	ATCGGTCTCACGCAGGGTTGGATA	TATCCAACCCTGCGTGAGACCGAT
124 127	TAGGTTGCCCGCCAGAAGAAACAT	ATGTTTCTTCTGGCGGGCAACCTA

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425/28	CGGTGCTGTTGCAAAAGCCTGTAG	CTACAGGCTTTTGCAACAGCACCG
426/29	TGATGAAAGTTTGCGGCAGGACAC	GTGTCCTGCCGCAAACCTTCATCA
427/30	GTTGAGTGCAGGATGCAGCGATAG	CTATCGCTGCATCCTGCACTCAAC
428/31	AACATTGCGCGGTCCACCAGGGTT	AACCTGGTGGACCGCGCAATGTT
429/32	GGGCAGTTAGAGAGGGCCAGAAGT	ACTTCTGGCCCTCTCTAACTGCCC
430/33	TCGAGCTGGTCCCCGTGAACGTGT	ACACGTTACGGGGACCAGCTCGA
431/34	GTCTTGGGGGCCGCTTAGTAAAA	TTTCTACTAAGCGGCCCCCAAGAC
432/35	ACTGTTGGCTTGCTCTCATGTCCA	TGGACATGAGAGCAAGCCAACAGT
433/36	AGGACCATTGGAAGGCGAAGATA	TATCTTCGCCTTCCGAATGGTCCT
434/37	CTTGGGAGGCATCCGCTATAAGGA	TCCTTATAGCGGATGCCTCCCAAG
435/38	AATAAACGGAACGCACCGCTACAG	CTGTAGCGGTGCGTTCCGTTTATT
436/39	TTGTACGTGCGGTCCCCATAAGCA	TGCTTATGGGGACCGCACGTACAA
437/40	CGCACCAAACCTGAGTTTCCAGAC	GTCTGGGAAACTCAGTTTGGTGCG
438/41	ACCTGATCGTTCCCCTATTGGGAA	TTCCCAATAGGGGAACGATCAGGT
439/42	GGAACAGAGGCGAGGGGACTGAGC	GCTCAGTCCCCTCGCCTCTGTTCC
440/43	CCCTGCCTTGCGGTGTCGGCTTAT	ATAAGCCGACACGCCAAGGCAGGG
441/44	ACTCTGACACGCCAACTCCGGAAG	CTTCCGGAGTTGGCGTGTCAGAGT
442/45	CTGACGGTTTTTCATTGCGCGTGCC	GGCACGCCGAATGAAAACCGTCAG
443/46	TGCGGTGGTTCATTGGAGCTGGCC	GGCCAGCTCCAATGAACCACCGCA
444/47	GCATGGCCAACTAGTGACTCGCAA	TTGCGAGTCACTAGTTGGCCATGC
445/48	AGGCCGTAAAGCGAATCTCACCTG	CAGGTGAGATTGCTTTACGGCCT
446/49	CGAATATTATGCCGAGAATCCGCG	CGCGGATTCTCGGCATAATATTG
447/50	ACAGACGAGCTCCCAACCACATGA	TCATGTGGTTGGGAGCTCGTCTGT
448/51	GGACGGTTTGTGCTGGATTGTCTG	CAGACAATCCAGCACAAACCGTCC
449/52	AAAGGCTATTGAGTTGGTTGGGCG	CGCCCAACCAACTCAATAGCCTTT
450/53	GATGGCCTATTCCGAGATCGGGCC	GGCCCGATCTCCGAATAGGCCATC
451/54	GATCCAGTAGGCAGCTTCATCCCA	TGGGATGAAGCTGCCTACTGGATC
452/55	AATAACTCGCGCGGTATGCTTCT	AGAAGCATACCCGCGCGAGTTATT
453/56	GGAGGAGGTTTGTCTCGGAAAGCA	TGCTTTCCGAGACAAACCTCCTCC
454/57	CTTTGGTATGGCACATGCTGCCCCG	CGGGCAGCATGTGCCATACCAAAG
455/58	AGAAAGGCTCGAGCAACGGGAACT	AGTTCCCGTTGCTCGAGCCTTTCT
456/59	AATCTACCGCACTGGTCCGCAAGT	ACTTGCGGACCAGTGCGGTAGATT
457/60	CGTGGCGGCCACAGTTTTTGGAGG	CCTCCAAAACTGTGGCCGCCACG
458/61	TTGCAGTTCAATCCATACGCACGT	ACGTGCGTATGGATTGAACTGCAA
459/62	GGCCCAAAGCCCCAGACCATTTTA	TAAATGGTCTGGGGCTTTGGGCC
460/63	CGCCTGTCTTTGTCTCCGGACAAT	ATTGTCCGGAGACAAAGACAGGCG
461/64	TGAGGCAACAGGGGCCAAAACTA	TAGTTTTTGGCCCCTGTTGCCTCA
462/65	AGCGGAAGTAGTCCTCGGCTCGTC	GACGAGCCGAGGACTACTTCCGCT

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463/166	GGCCCCAAGGCTTAGAGATAGTGG	CCACTATCTCTAAGCCTTGGGGCC
464/167	GCACGTGAAGTTTAACCGCGATTG	GAATCGCGGTAAACTTCACGTGC
465/168	AGCGGCAGAAACGTTCTTGACGG	CCGTCAAGGAACGTTTCTGCCGCT
466/169	TCGTGAGCAGACGAGATTGCACG	CGTGCAATCTCGTCTGCTCGACGA
467/170	TCTTTGCCGCGTAACTGACTGCTT	AAGCAGTCAGTTACGCGGCAAAGA
468/171	TTTATGTGCCAAGGGGTTAACCGA	TCGGTTAACCCCTTGGCACATAAA
469/172	TGTTACTGTGGTTCACGGCAGTCC	GGACTGCCGTGAACCACAGTAACA
470/173	CGCGCCTCGCTAGACCTTTTATTG	CAATAAAAGGTCTAGCGAGGCGCG
471/174	ACAAATGCGTGAGAGCTCCCACT	AGTTGGGAGCTCTCACGCATTTGT
472/175	CGCGCAGATTATAGACCCGAATGT	ACATTCGGGTCTATAATCTGCGCG
473/176	CAAATAACGCCGCTGAATCGGCGT	ACGCCGATTCAGCGGCGTTATTTG
474/177	CCTTCGTGCATCGGTGATGATGTT	AACATCATCACCGATGCACGAAGG
475/178	TGAACACGAGCAACACTCCAACGC	GCGTTGGAGTGTTGCTCGTGTTCA
476/179	CAGCAGATCCTTCGTAGCGGTCGT	ACGACCGCTACGAAGGATCTGCTG
477/180	GGAACCTGGTGAGTTGTGCCTCAT	ATGAGGCACAACCTCACCAGGTTCC
478/181	TCATAAGCGACAATCGCGGGCTTA	TAAGCCCGCGATTGTGCTTATGA
479/182	CCCAACGTCACTGAAGCTCACAGT	ACTGTGAGCTTCAGTGACGTTGGG
480/183	TGTCAGAGCCCGCGACTCAGACGG	CCGTCTGAGTCGCGGGCTCTGACA
481/184	TACACGAAGCCTCTCCGTGGTCCA	TGACCACGGAGAGGCTTCGTGTA
482/185	CTCAGAAGTCCTCGGCGAACTGGG	CCCAGTTCGCCGAGGACTTCTGAG
483/186	ATCCTTTTATCTACTCCGCGGCGA	TCGCCGCGGAGTAGATAAAAGGAT
484/187	AGGCGTGCAGCAACAGGATAAACC	GGTTTATCCTGTTGCTGCACGCCT
485/188	ACTCTCGAGGGAGTCTCTGGCACA	TGTGCCAGAGACTCCCTCGAGAGT
486/189	TTGCCAGGTCCATCGAGACCTGTT	AACAGGTCTCGATGGACCTGGCAA
487/190	TCCACTATAACTGCGGGTCCGTGT	ACACGGACCCGCGAGTTATAGTGGA
488/191	GCCAGTCGGCTCTAACAAGTTCTG	CGAACTTGTTAGAGCCGACTGGGC
489/192	CGGAACGGATAATCGGCGTCAGGT	ACCTGACGCCGATTATCCGTTCCG
490/193	TAAATAAGCGCCTGGCGGGAGGA	TCCTCCCGCCAGGCGCTTATTTTA
491/194	GCGCACTCGTGAAACCTTTCTCGC	GCGAGAAAGGTTTCACGAGTGCGC
492/195	AGTTTGCCAGGTACTGGCAAGTGC	GCACTTGCCAGTACCTGGCAAAC
493/196	ACAACGAGGGATGTCCAGCGGCAT	ATGCCGCTGGACATCCCTCGTTGT
494/197	TTCGCAGCACCCGCTAGGTACAGT	ACTGTACCTAGCGGGTGCTGCGAA
495/198	TAACCCGATTTTTGCGACTCTGCC	GGCAGAGTCGAAAAATCGGGTTA
496/199	CGTCGCATTGCAAGCGTAGGCTTG	CAAGCCTACGCTTGCAATGCGACG
497/200	GAGCTGACGTCACCATCAGAGGAA	TTCCTCTGATGGTGACGTCAGCTC
498/201	GGAGGCTGGGGGTGCGGCTTAAGT	ACTTAAGCGCGACCCCGAGCCTCC
499/202	TTGTGGGAACCGCACTAGCTGGCT	AGCCAGCTAGTGCGGTTCCACAA
200/203	CCCTCGCACTGTGTTACCCCTCTT	AAGAGGGTGAACACAGTGCGAGGG

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201 204	TCATTGACTCGAATCCGCACAACG	CGTTGTGCGGATTCGAGTCAATGA
202 205	ACAGGGGTTGGCCTTCGTACGTAC	GTACGTACGAAGGCCAACCCCTGT
203 206	AGGCCGTGCAACATCACACAGGAT	ATCCTGTGTGATGTTGCACGGCCT
204 207	GGGCCGTGGTCACGTAATATTGGC	GCCAATATTACGTGACCACGGCCC
205 208	GCGCGGACATGAAACGACAAGGCC	GGCCTTGTCGTTTCATGTCCGCGC
206 209	CTTATTGGGTGCCGGTGTCCGATT	AATCCGACACCGGCACCCAATAAG
207 210	GGGGCGGTTACCAAAAAATCCGAT	ATCGGATTTTTTGGTAACCGCCCC
4	CCGTGCGCATACCGGCTACGATCAA	TTGATCGTAGCCGGTATGCGACGG
5	ATGGCCGTGCTGGGGACAAGTCAA	TTGACTTGTCGCCAGCACGGCCAT
210 213	ACGAAAAAGTGTGCGGATCCCCT	AGGGGATCCGCACACTTTTTTCGT
211 214	CCAAGTACACCGCACGCATGTTTA	TAAACATGCGTGCGGTGTACTTGG
212 215	ATCGTGCGTGGAGTGTGCGCATCTA	TAGATGCGACACTCCACGCACGAT
213 216	TCCAGATACCGCCCCGAACTTTGA	TCAAAGTTCGGGGCGGTATCTGGA
214 217	TCTGCTGGCAGCACGTGAAGTGGC	GCCACTTCACGTGCTGCCAGCAGA
215 218	TTGAAATTGCTCTGCCGTCAGTCA	TGACTGACGGCAGAGCAATTTCAA
216 219	AGTCAGGCGAGATGTTCAAGGCAGC	GCTGCCTGAACATCTCGCCTGACT
217 220	ACAAGCCGACGTTAAGCCCGCCCA	TGGGCGGGCTTAACGTCGGCTTGT
218 221	CCCTAATGAGGCCAGTAACCTGCA	TGCAGGTTACTGGCCTCATTAGGG
219 222	GTGAGACACACATCCCCTCCAATG	CATTGGAGGGGATGTGTGTCTCAC
220 223	CGACGGATGCAGAGTTCAGTGGTC	GACCACTGAACCTCTGCATCCGTGC
221 224	CCCGCATGCCTGGCGGTATTACAA	TTGTAATACCGCCAGGCATGCGGG
222 225	TTAGCAAAGCGGCGCCGTTAGCAA	TTGCTAACGGCGCCGCTTTGCTAA
223 226	CCCGACACGGGTCAGCGTAATAAT	ATTATTACGCTGACCCGTGTCGGG
224 227	GCGACGGCCCTGAGGTATGTCGTC	GACGACATACCTCAGGGCCGTCGC
225 228	CAAAAGTGTGTTCCCTTGCGCTTG	CAAGCGCAAGGGAACACACTTTTG
226 229	TCTCGAAGCACAGCCCGGTTATTG	CAATAACCGGGCTGTGCTTCGAGA
227 230	ATGCTAACCGTTGGCCATGGAAT	AGTTCCATGGCCAACGGTTAGCAT
228 231	CTTGCGGAGTGTTAGCCAGCGGT	ACCGCTGGGCTAACACTCCGCAAG
229 232	TGCTCCCTAGGCGCTCGGAGGAGT	ACTCCTCCGAGCGCCTAGGGAGCA
230 233	CCAATGCCTTTGAGTAAGCGATGG	CCATCGCTTACTCAAAGGCATTGG
231 234	AGCAGATAACGTCCCAATGACGCC	GGCGTCATTGGGACGTTATCTGCT
232 235	TTGACCATTACGTGTTGCGCCCAT	ATGGGCGCAACACGTAATGGTCAA
233 236	TCGCGTATTTGCGGAATTCGTCTG	CAGACGAATTCCGCAAATACGCGA
234 237	CTGCGTGTCACAAATGTCCCGCAG	CTGCGGGACATTGTTGACACGCAG
235 238	TCTGGTGCCACGCAAGGTCCACAG	CTGTGGACCTTGCGTGGCACCAGA
236 239	CTCCGGGAGGTCACCTAATTGCGG	CCGCAATTAAGTGACCTCCCGGAG
237 240	TTTTCGTGATTGCCCGGAGGAGGC	GCCTCCTCCGGGCAATCACGAAAA
238 241	TCGGGATGTAGCTGGGGCTACCGG	CCGGTAGCCCCAGCTACATCCCGA

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239 242	CGAGCCAACGCAAACACGTCCTTG	CAAGGACGTGTTTGCGTTGGCTCG
240 243	GCAAAGCCTTTGTGGGGCGGTAGT	ACTACCGCCCCACAAAGGCTTTGC
241 244	ATTCGACCGGAAATGAGGTCTTCG	CGAAGACCTCATTTCCGGTCTGAAT
242 245	TTGCTTGCTGAGTTGCTCTGTTT	GAACAGAGCAACTCAGCAAGCGAA
243 246	CGCGTGAAGACCCCATTCCTCGAGT	ACTCGGGAATGGGGTCTTCACGCG
244 247	AACCGTATTCGCGGTCACTTGTGG	CCACAAGTGACCGCGAATACGGTT
245 248	GGGGCCAACCGTTTCGAGGCGTAT	ATACGCCTCGAAACGGTTGGCCCC
246 249	TTGGGCTGGCAGTCCAAACGGCTT	AAGCCGTTTGGACTGCCAGCCGAA
247 250	GGGTGTGGTTAGAATGCACGGTTC	GAACCGTGCATTCTAACCACACCC
248 251	GCGAGGACCGAACTAGACAAACGG	CCGTTTGTCTAGTTCGGTCCTCGC
249 252	ACGCACGCGTGACCGAAGTTGCTG	CAGCAACTTCGGTCACGCGTGCGT
250 253	TAAAAGGTCGCTTTGAAAGGGGGA	TCCCCCTTTCAAAGCGACCTTTTA
251 254	TGCGATCGCTAACTGCTGGGACAA	TTGTCCCAGCAGTTAGCGATCGCA
252 255	GGAGGTATAAGCGGAGCGGCCTCA	TGAGGCCGCTCCGCTTATACCTCC
253 256	ATGCTGACATGTCGTGCACCTCGT	ACGAGGTGCACGACATGTCAGCAT
254 257	TGTGGTTAAAGCGTCCGTTCAACG	CGTTGAACGGACGCTTTAACCACA
255 258	CGTTCACACCGGCGTAAGCTGCGT	ACGCAGCTTACGCCGGTGTGAACG
256 259	CCTATCCCGGCGGAGAACTTCTGTG	CACAGAAGTTCTCGCCGGGATAGG
257 260	GTCTGCACTCACGCAGCGGAGGGA	TCCCTCCGCTGCGTGAGTGCAGAC
258 261	GCACGAGTTGGTGCTCGGCAGATT	AATCTGCCGAGCACCAACTCGTGC
259 262	AACGTGCGACGACACACGTTTCGTC	GACGAACGTGTGTGCTGCGACGTT
260 263	ATGCGCGCTTATCCTAGCATGGTC	GACCATGCTAGGATAAGCGCGCAT
261 264	TCACGTTTTTCGTCTCGACATGAGG	CCTCATGTCGAGACGAAAACGTGA
262 265	TGTGCCTCATCCTTAGGATACGGC	GCCGTATCCTAAGGATGAGGCACA
263 266	AGGTGGTGTGGGTCAACCGCTTTA	TAAAGCGGTTGACCCACACCACT
264 267	CTGGATCGAAGGGACTGCAAGCTC	GAGCTTGCAGTCCCTTCGATCCAG
265 268	TAGATCAACTCGCGTACGCATGGA	TCCATGCGTACGCGAGTTGATCTA
266 269	GATCCTGCGGAGAAGAGAGTGACG	CTGCACTCTCTTCTCCGCAGGATC
267 270	TACGTGTGGAGATGCCCCGAACCG	CGGTTGCGGGCATCTCCACACGTA
268 271	GCGCTATGTCAATCGTGGGCGTAG	CTACGCCACGATTGACATAGCGC
269 272	AGCGAGGTTTCTAGCGTCGACACC	GGTGTGCGACGCTAGAAACCTCGCT
270 273	ACCCAGGTTTTGCCGTTGTGGAAT	ATTCCACAACGGCAAAACCTGGGT
271 274	CCCTGTAAACGGCTGCGTAGTCTC	GAGACTACGCAGCCGTTAACAGGG
272 275	AGGCCGATTTACCCGCCAATTGC	GCAATTGGCGGGTGAAATCGGCCT
273 276	GAGCCCTCACTCCTTGCCCTTTGA	TCAAAGGGCAAGGAGTGAGGGCTC
274 277	GGGTGGACATCCGCCTCGCAGTCA	TGACTGCGAGGCGGATGTCCACCC
275 278	GATGGCTGAGAACCGTGCTACGAT	ATCGTAGCACGGTTCTCAGCCATC
276 279	TCGACGTTAGGAGTGCTGCCAGAA	TTCTGGCAGCACTCCTAACGTCTGA

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277 281	CGAATGGGTCTGGACCTTGCATAG	CTATGCAAGGTCCAGACCCATTG
278 282	GTGCACCAGACATTCGAACTCGGA	TCCGAGTTCGAATGTCTGGTGCAC
279 283	AGAGGCCCCGTATATCCCATCCAT	ATGGATGGGATATACGGGGCCTCT
280 284	AACGCCTGTTGAGAGCATCAGCGG	CCGCTGATGCTCTGAACAGGCGTT
281 285	AAGGCTCAACACGCCTATGTGCGC	GCGCACATAGGCGTGTTGAGCCTT
282 286	AGTCCGTGTTGCCAGATTGGCTCG	CGAGCCAATCTGGCAACACGGACT
283 287	ATGTCCCATGTAAAGACGCGTGTG	CACACGCGTCTTTACATGGGACAT
284 288	ATGGAGTCTGCTCACGCCCAAAGG	CCTTTGGGCGTGAGCAGACTCCAT
285 289	CGGCCTCCAACAAGGAGCACTAAC	GTTAGTGCTCCTTGTTGGAGGCCG
286 290	CAGAGCCGTGGCAACATTGCGAGC	GCTCGCAATGTTGCCACGGCTCTG
287 291	TCATTTGAATGAGGTGCGCACCGG	CCGGTGCGCACCTCATTCAAATGA
288 292	GACGTACCGGAAGCGCCGTATAAA	TTTATACGGCGCTTCCGGTACGTC
289 293	ATGCGAGCAATGGGATCCGGATTG	GAATCCGGATCCCATTGCTCGCAT
290 294	AGAGTGAGGCCTCCCTGACCAGTG	CACTGGTCAGGGAGGCCTCACTCT
291 295	CGCACCGTAAGTAGATTTGCCCGC	GCGGGCAAATCTACTTACGGTGCG
292 297	TGAACCTTTGAGCACGTGCTGCGC	GCGCACGACGTGCTCAAAGGTTCA
293 298	TCCGCCTTTTGGTTACCTCGAAG	CTTCGAGGTAACCAAAAAGGCGGA
294 299	GAACGCCAACGGCACTAACACATC	GATGTGTTAGTGCCGTTGGCGTTC
295 300	CCGACAGCAGCCAAGACGTCCCAG	CTGGGACGTCTTGGCTGCTGTCGG
296 302	CATAAAAAACCTGGGGCTCTGCG	CGCAGAGCCCCAGGTTTTTTTATG
297 303	TGCCAACTGTGCAGACCGGACTTA	TAAGTCCGGTCTGCACAGTTGGCA
298 304	GGCGAAAGAGCGAAACCGGCTCGT	ACGAGCCGGTTTCGCTCTTTCGCC
299 305	GGGATGCGTATTTTAGCGAACACG	CGTGTTGCTGCTAAAATACGCATCCC
300 306	TGGGATTCAGCGACCAGTACGCGA	TCGCGTACTGGTCGCTGAATCCCA
301 307	CCCGATATTCGCCCCGGCCTATTCG	CGAATAGGCCGGGGCGAATATCGGG
302 308	CGAGAAGATGCCTCACGCAACCAA	TTGGTTGCGTGAGGCATCTTCTCG
303 309	AACCTTGACCCGTGGATGACGCTA	TAGCGTCATCCACGGGTCAAGGTT
6	TTGCAACGGGCTGGTCAACGTCAA	TTGACGTTGACCAGCCCGTTGCAA
7	CGCATAGGTTGCCGATTTTCGTCAA	TTGACGAAATCGGCAACCTATGCG
306 312	GCTTCCGGATGAACGGGATGGTTG	CAACCATCCCGTTCATCCGGAAGC
307 313	CCCTCCATGTTCTTCGAACGGTTT	AAACCGTTTGAAGAACATGGAGGG
308 314	TTGATGGGCGGCAATGCTCTTGCT	AGCAAGAGCATTGCCGCCCATCAA
309 315	ATTGTGAGATGCGCCAAATTCCCC	GGGGAATTTGGCGCATCTCACAAT
310 316	TCAGCACAGCCAGACGGTCAACTT	AAGTTGACCGTCTGGCTGTGCTGA
311 317	ACTCCACTCCTCGGTGGCAAATA	TAGTTTGCCACCGAGGAGTGGAGT
312 318	TCTGGGCATGCCTGGACGGAGACG	CGTCTCCGTCCAGGCATGCCCAGA
313 319	TCTCAACTCCGGTACGACGAAACA	TGTTTCGTCGTACCGGAGTTGAGA
314 320	TTGCGTGGTCAAAGGCGCAACGTG	CACGTTGCGCCTTTGACCACGCAA

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345 ³²¹	AGACAGCGATCCGCGGCTCATGAT	ATCATGAGCCGCGGATCGCTGTCT
346 ³²²	CGCGTCTCTAACTGAGAGCAGCCA	TGGCTGCTCTCAGTTAGAGACGCG
347 ³²³	AGGCGCACATGTACGGACATTGAG	CTGAATGTCCGTACATGTGCGCCT
348 ³²⁴	GATGAGTGGCACGTCGGTGTGTAA	TTACACACCGACGTGCCACTCATC
349 ³²⁵	TGATCCATATTGTGCGGACGTTGCG	CGCAACGTCCGACAATATGGATCA
350 ³²⁶	ACCTGCCGGGAGTTCATAGGCTAG	CTAGCCTATGAACTCCCGGCAGGT
351 ³²⁷	AGCATTGGCGTTTTTCCGCAACGA	TCGTTGCGGAAAAACGCCAATGCT
352 ³²⁸	GGTAATATTCAGCGCGACCGCTCA	TGAGCGGTGCGGCTGAATATTACC
353 ³²⁹	ATAGCGTACGACGAGGTGACGCGC	GCGCGTCACCTCGTCGTACGCTAT
354 ³³⁰	TAGGTCACGATGCGTTTGACGCTA	TAGCGTCAAACGCATCGTGACCTA
355 ³³¹	ACTGCCCCGTACCTCTGGTTCTGGC	GCCAGAACCAGAGGTACGGGCAGT
356 ³³²	CCTTTGGCCTGAAGTTGTGCTAGC	GCTACGACAACCTTCAGGCCAAAGG
357 ³³³	GTGCCCCACGAGCGTATCGTTGTA	TACAACGATACGCTCGTGCGGCAC
358 ³³⁴	AGGCGCTACGTGGGCCTGGAGCAA	TTGCTCCAGGCCACGTAGCGCCT
359 ³³⁵	GGGTGCTACCATTGCATTAGTCCG	CGGACTAATGCAATGGTAGCACCC
360 ³³⁶	ACCACGCGCGTACGTGTAACCGAG	CTCGGTTACACGTACGCGCGTGGT
361 ³³⁷	CCATGATGCATTGGGTGCATTAG	CTAAATGCACCCAATGCATCATGG
362 ³³⁸	GGTCCGGCCCTACGAAACGTTGCA	TCGAACGTTTTCGTAGGGCCGGACC
363 ³³⁹	CCGTGTGGCTGGAGATTCGTGTGA	TCACACGAATCTCCAGCCACACGG
364 ³⁴⁰	GTTAGGGCGACGCATATTGGCACA	TGTGCCAATATGCGTCGCCCTAAC
365 ³⁴¹	GGGTGAGTCAGGTGCGTTAGGATC	GATCCTAACGCACCTGACTGACCC
366 ³⁴²	GCCGTGAAGTCGAATGCAGATCGA	TCGATCTGCATTGCACTTCACGGC
367 ³⁴³	GCCACCACCCAGTGCATTGAGGTA	TACCTGAATGCACTGGGTGGTGCG
368 ³⁴⁴	GAGCTTAGTTTGCGGTCATCGGGC	GCCCGATGACCGCAAACCTAAGCTC
369 ³⁴⁵	TGTTTGCCGCCATTAGGGAGTAAC	GTTACTCCCTAATGGCGGCAAACA
370 ³⁴⁶	GCTCCGCTGGATGTGCCGTTTAG	CTAAACCGGCACATCCAGCGGAGC
371 ³⁴⁷	CGGTAGCATGCGAGATCCCTGTTA	TAACAGGGATCTCGCATGCTACCG
372 ³⁴⁸	CTACGCTCTACAGTTGCCTGCGA	TCGCAGGCAACTGGTAGAGCGTAG
373 ³⁴⁹	GTGCCTCCTGCTGTATTTGCCAAG	CTTGGCAAATACAGCAGGAGGCAC
374 ³⁵⁰	TTGCGACTCGACTTGACGAGTAG	CTACTCGTCCAAGTCGAGTCGCAA
375 ³⁵¹	TCTGGGAGCTGTTTACTCCAGCCA	TGGCTGGAGTAAACAGCTCCCAGA
376 ³⁵²	TGCACGCGGAACTCCCTTTACCAT	ATGGTAAAGGGAGTTCCGCGTGCA
377 ³⁵³	TGGCAGCAAATGAATCGAAAGCAC	GTGCTTTCGATTCAATTGCTGCCA
378 ³⁵⁴	AACTGGTGACGCGGTACAGCGAAG	CTTCGCTGTACCGCGTCACCAGTT
379 ³⁵⁵	AGACGATTACGCTGGACGCCGTCG	CGACGGCGTCCAGCGTAATCGTCT
380 ³⁵⁶	ATGCCCTCCTTCATGGAAAGGGTT	AACCCTTTCATGAAGGAGGGCAT
381 ³⁵⁷	ATTCTCGGAGCGTATGCGCCAGAA	TTCTGGCGCATACGCTCCGAGAAT
382 ³⁵⁸	ATAGCGGAGTTTGCGGTACGCGAAC	GTTGCGGTACCCAACTCCGCTAT

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353 ³⁶¹	ACCTACGCATACCGCTTGGCGAGG	CCTCGCCAAGCGGTATGCGTAGGT
354 ³⁶²	GATTACCTGAATGGCCAAGCGAGC	GCTCGCTTGGCCATTCAGGTAATC
355 ³⁶³	CCTGTTAGCATCACGGCGCTTAGG	CCTAAGCGCCGTGATGCTAACAGG
356 ³⁶⁴	CGGAATGATGCGCTCGACAACGCT	AGCGTTGTCGAGCGCATCATTCCG
357 ³⁶⁵	TGAGAGAGGCGTTGGTTAAGGCAA	TTGCCTTAACCAACGCCTCTCTCA
358 ³⁶⁶	AAGCAGGCGAAGGGATACTCCTCG	CGAGGAGTATCCCTTCGCCTGCTT
359 ³⁶⁷	TCACGACAGACGGGCCGAGATTAC	GTAATCTCGGCCCGTCTGTCTGTA
360 ³⁶⁸	AAGCAATTTGGCCTCGTTTTGTGA	TCACAAAACGAGGCCAAATTGCTT
361 ³⁶⁹	GCTGGTTGCGGTAGGATCGCATAT	ATATGCGATCCTACCGCAACCAGC
362 ³⁷⁰	TTGTGAATCCGTTCTGTCCCCGAC	GTCGGGGACAGAACGGATTACAA
363 ³⁷¹	TGGGCTCCTCTGAGGCGAGATGGC	GCCATCTCGCCTCAGAGGAGCCCA
364 ³⁷²	GGATAGAGTGAATCGACCGGCAAC	GTTGCCGGTCGATTCACTCTATCC
365 ³⁷³	TGCACCGAACGTGCACGAGTAATT	AATTACTCGTGCACGTTCCGGTGCA
366 ³⁷⁴	GCCAGTATTCTCGGGTGTGGACG	CGTCCAACACCCGAGAATACTGGC
367 ³⁷⁵	TCGCTACCTAAGACCGGGCCATAC	GTATGGCCCGGTCTTAGGTAGCGA
368 ³⁷⁶	TGGCATTGACGAGCAGCAGTCAGT	ACTGACTGCTGCTCGTCAATGCCA
369 ³⁷⁷	CGCGTCCCAGCGCCCTTGGAGTAT	ATACTCCAAGGGCGCTGGGACGCG
370 ³⁷⁸	ATGAAGCCTACCGGGCGACTTCGT	ACGAAGTCGCCCCGGTAGGCTTCAT
371 ³⁷⁹	CCAGACAGATGGCCTGGAACCATG	CATGGTTCCAGGCCATCTGTCTGG
372 ³⁸⁰	TGGCGTGGGACCATCTCAAAGCTA	TAGCTTTGAGATGGTCCCACGCCA
373 ³⁸¹	CCGCATGGGAACACGTGTCAAGGT	ACCTTGACACGTGTTCCCATGCGG
374 ³⁸²	GCCCACTCGTCAGCTGGACGTAAT	ATTACGTCCAGCTGACGAGTGGGC
375 ³⁸³	ATTACGGTTCGTGATCCAGAAAGCG	CGCTTTCTGGATCACGACCGTAAT
376 ³⁸⁴	TGCGAGGTGAGCACCTACGAGAGA	TCTCTCGTAGGTGCTCACCTCGCA
377 ³⁸⁵	GGGCCGCATTCTTGATGTCCATTG	GAATGGACATCAAGAATGCGGCCC
378 ³⁸⁶	CCTCGGATGTGGGCTCTCGCCTAG	CTAGGCGAGAGCCCACATCCGAGG
379 ³⁸⁷	TAGGCATGTTGGCGTGAGCGCTAT	ATAGCGCTCACGCCAACATGCCTA
380 ³⁸⁸	CGATACGAACGAGGATGTCCGCCT	AGGCGGACATCCTCGTTCGTATCG
381 ³⁸⁹	TACGCCGGTTAGCACGGTGCGCTA	TAGCGCACCGTGCTAACCGGCGTA
382 ³⁹⁰	CATACGATGTCCGGGCCGTGTGCG	GCGACACGGCCCCGGACATCGTATG
383 ³⁹¹	ATCCGCAGTTGTATGGCGCGTTAT	ATAACGCGCCATACAACCTGCGGAT
384 ³⁹²	GGGTAAGGGACAAAGATGGGATGG	CCATCCCATCTTTGTCCCTTACCC
385 ³⁹³	ATTGGAGTGTTTTGGTGAATCCGC	GCGGATTCACCAAAACACTCCAAT
386 ³⁹⁴	GAACCGAGCCAACGTATGGACACG	CGTGTCCATACGTTGGCTCGGTTT
387 ³⁹⁵	GCCGTCAAGCTTAAGGTTTTGGGC	GCCCCAAAACCTTAAGCTTGACGGC
388 ³⁹⁶	ACCTGCTTTTGGGTGGGTGATATG	CATATCACCCACCCAAAAGCAGGT
389 ³⁹⁷	AATCGTGGGCGCAGCAAACGTATA	TATACGTTTGCTGCGCCACGATT
390 ³⁹⁸	GTCGCCGGATTGCTCAGTATAAGC	GCTTATACTGAGCAATCCGGCGAC

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391 401	ACCCGTCGATGCTTCCTCCTCAGA	TCTGAGGAGGAAGCATCGACGGGT
392 401	ATCCGGGTGGGCGATACAAGAGAT	ATCTCTTGTATCGCCACCCGGAT
393 402	TTCCGCATGAGTCAGCTTTGAAAA	TTTTCAAAGCTGACTCATGCGGAA
394 403	GCAAAGTCCCAGTGGCAAGCCGAT	ATCGGCTTGCCAGTGGGACTTTGC
395 404	CGACCTCGGCTTCATCGTACACAT	ATGTGTACGATGAAGCCGAGGTCG
396 405	CTCATGAGCGCAGTTGTGCGTGAG	CTCACGCACAACTGCGCTCATGAG
397 406	CAGATGAAGGATCCACGGCCGGAG	CTCCGGCCGTGGATCCTTCATCTG
398 407	TCAAAGGCTCTTGATACAGCCGT	ACGGCTGTATCCAAGAGCCTTTGA
399 408	TCCGCTAATTCCAATCAGGGCTC	GAGCCCTGATTGGAAATTAGCGGA
8	CCGTTTGCGGTCGTCCTTGCTCAA	TTGAGCAAGGACGACCGCAAACGG
9	TTGCTTTTCGTGGCTGCACTTCAA	TTGAAGTGCAGCCACGAAAGCGAA
402 411	CTTAGTTGGGGCGCGGTATCCAGA	TCTGGATACCGCGCCCCAACTAAG
403 412	GCTCTAATGCCGTGGAGTCGGAAC	GTTCCGACTCCACGGCATTAGAGC
404 413	CCGATTACAAATTGACTGACCGCA	TGCGGTCAGTCAATTTGTAATCGG
405 414	AGACGTACGTGAGCCTCCCGTGTC	GACACGGGAGGCTCACGTACGTCT
406 415	AATGGAGCGATACGATCCAACGCA	TGCGTTGGATCGTATCGCTCCATT
407 416	GGAGGCGCTGTACTGATAGGCGTA	TACGCCTATCAGTACAGCGCCTCC
408 417	TGTTTTTGAATTGACCACACGGGA	TCCCGTGTGGTCAATTCAAAAACA
409 418	CATGTCTGGATGCGCTCAATGAAG	CTTCATTGAGCGCATCCAGACATG
410 419	GCCCGCTAATCCGACACCCAGTTT	AAACTGGGTGTCGGATTAGCGGGC
411 420	CCATTGACAGGAGAGCCATGAGCC	GGCTCATGGCTCTCCTGTCAATGG
412 421	GAATCACC GAATCACC GACTCGTT	AACGAGTCGGTGATTGCGGTGATTC
413 422	AACCAGCCGCAGTAGCTTACGTCG	CGACGTAAGCTACTGCGGCTGGTT
414 423	TTTTCTGAGGGACACGCGGGCGTT	AACGCCCCGCGTGTCCCTCAGAAAA
415 424	GGTGCTCCGTTTGATCGATCCTCC	GGAGGATCGATCAAACGGAGCACC
416 425	CCGCTTAGGCCATACTCTGAGCCA	TGGCTCAGAGTATGGCCTAAGCGG
417 426	TAAGACATACCGACGCCCTTGCCT	AGGCAAGGGCGTCGGTATGTCTTA
418 427	GTTCCCGACGCCAGTCATTGAGAC	GTCTCAATGACTGGCGTCGGGAAC
419 428	TAAAAGTTTCGCGGAGGTCGGGCT	AGCCCGACCTCCGCGAAACTTTTA
420 429	CGGTCCAGACGAGCTGAGTTCGGC	GCCGAACCTCAGCTCGTCTGGACCG
421 430	CGGCGTAGCGGCTACGGACTTAAA	TTTAAGTCCGTAGCCGCTACGCCG
422 431	GCTTGATGCCCATGCGGCAAGGT	ACCTTGCCGCATGGGCATCCAAGC
423 432	AGCGGGATCCCAGAGTTTCGAAAA	TTTTCGAAACTCTGGGATCCCGCT
424 433	GAGCTTGAGAGCGAGGTCATCCTC	GAGGATGACCTCGCTCTCAAGCTC
425 434	GCATCGGCCGTTTTGACCATATTC	GAATATGGTCAAACGGCCGATGC
426 435	CATAGCGCTGCACGTTTCGACCGC	GCGGTGCAAACGTGCAGCGCTATG
427 436	ACCCGACAACCAACCAATTCAAAAA	TTTTTGAATTGGTGGTTGTCGGGT
428 437	GCGAACAACCTATAAGAGCGCCCTG	CAGGGCGCTCTTATGAGTGTTCCG

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429 439	CCGCCGAGTGTAGAGAGACTCCGA	TCGGAGTCTCTCTACACTCGGCGG
430 440	GACATCGGGAGCCGGAACATGAG	CTCATGTTTCCGGCTCCCGATGTC
431 441	TCGTGTAGACTCGGCGACAGGCGT	ACGCCTGTCGCCGAGTCTACACGA
432 442	ATGCGCATATACTGACTGCGCAGG	CCTGCGCAGTCAGTATATGCGCAT
433 443	ACAAGCGAACCCGAGTTTTGATGA	TCATCAAAACTCGGGTTCGCTTGT
434 444	GCATGAGACTCCGCGAAGACATGT	ACATGTCTTCGCGGAGTCTCATGC
435 445	TCCTACATGTCGCGTCACGATCAC	GTGATCGTGACGCGACATGTAGGA
436 446	GACCGATCGCGAAGTCGTACACAT	ATGTGTACGACTTCGCGATCGGTC
437 447	GTCGCCAGGACTGGGCCGATGTGA	TCACATCGGCCCAGTCCTGGCGAC
438 448	ACCGATAAGACTTGCATCCGAACG	CGTTCGGATGCAAGTCTTATCGGT
439 449	TCCATAACCAGTCCGAAGTGCCGG	CCGGCACTTCGGACTGGTTATGGA
440 450	ACGCGCCCTGCATCTCGTATTAA	TTAAATACGAGATGCAGGGCGCGT
441 451	AGACCGCATCAATTGGCGCGTACC	GGTACGCGCCAATTGATGCGGTCT
442 452	AGAGGCTTGGCAAGTAGGGACCCT	AGGGTCCCTACTTGCCAAGCCTCT
443 453	GCAATGGACGCCAGACGATACCGG	CCGGTATCGTCTGGCGTCCATTGC
444 454	GCTGGACTTAGTCGTGTTTCGGCGG	CCGCCGAACACGACTAAGTCCAGC
445 455	AGGCATCGTGCCGGATTGCTCCCT	AGGGAGCAATCCGGCACGATGCCT
446 456	TGCGCATGTCGACGTTGAACAAAG	CTTTGTTCAACGTCGACATGCGCA
447 457	TTCGGGTCACATCCGATGCCATAC	GTATGGCATCGGATGTGACCCGAA
448 460	ACCCATCGCCGGAAGCGATGTTG	CAACATCGCTTTCCGGCGATGGGT
449 461	AAGCGCTGACTCGGCTAAGAATCA	TGATTCTTAGCCGAGTCAGCGCTT
450 462	ACTTCCAAGTCCTTGACCGTCCGA	TCGGACGGTCAAGGACTTGGAAGT
451 463	TCTCAATATTCCCGTAGTCGCCCA	TGGGCGACTACGGGAATATTGAGA
452 464	AACAGTTCCTCTTTTTCTGGCGC	GCGCCAGGAAAAAGAGGAACTGTT
453 465	CGTCCTCCATGTTGTACGAACAG	CTGTTCTGTACAACATGGAGGACG
454 466	TGCGCAGACCTACCTGTCTTTGCT	AGCAAAGACAGGTAGGTCTGCGCA
455 467	ATGGACGGCTTCGCAGTCCTCCTT	AAGGAGGACTGCGAAGCCGTCCAT
456 468	TGAACGCTTTCTATGGGCCACGTA	TACGTGGCCCATAGAAAGCGTTCA
457 469	TGAACCCTGCCGCGAGCGATAACC	GGTTATCGCTCGCGGCAGGGTTCA
458 470	GTTCTTGCGCGATGAATCAGGACC	GGTCCTGATTTCATCGCGCAAGAAC
459 471	AGGGTACGTGTCGCAGCTTCGCGT	ACGCGAAGCTGCGACACGTACCCT
460 472	ACCCTTGCTCCGCCATGTCTCTCA	TGAGAGACATGGCGGAGCAAGGGT
461 473	GGGACAAGGATTGAAGCTGGCGTC	GACGCCAGCTTCAATCCTTGTCCT
462 474	TGTCGTTGCTCCCGAGTACCATTG	CAATGGTACTCGGGAGCAACGACA
463 475	GTTGTCCGAGACGTTTGTGTCAGC	GCTGACACAAACGTCTCGGACAAC
464 477	GCTGGTGAACACTCACGAACCGCT	AGCGGTTCTGTGAGTGTTACCAGC
465 478	GCAGACAGGGCAAAATCGGTGCAA	TTTGCACCGATTGTCCTGTCTGC
466 479	CCCATCACAACGAGTGGCGACTTT	AAAGTCGCCACTCGTTGTGATGGG

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467480	GCTTCTACAGCTGGCGTGCTAGCG	CGCTAGCACGCCAGCTGTAGAAGC
468481	GAATGTGTGCCGACCATTCTAGCC	GGCTAGAATGGTCGGCACACATTC
469482	CCAGCGGAAGTTAGAGCTCTGTGG	CCACAGAGCTCTAACTTCCGCTGG
470483	TTTTTACCGACCACTCCATGTCGG	CCGACATGGAGTGGTCGGTAAAAA
471484	GCGGCTATGTGATGACGGCCTAGC	GCTAGGCCGTCATCACATAGCCGC
472485	AGTACACGGGCGTGTTAGCGCTCC	GGAGCGCTAACACGCCCCGTGTACT
473486	TCCTGTGTGGTGGCGCACTCCCAC	GTGGGAGTGCGCCACCACACAGGA
474487	CCAATAACCAATCGCGCGGATGA	TCATCCGCGCGATTGGTTAGTTGG
475488	AGTGAGTGACCAAGGCAGGAGCAA	TTGCTCCTGCCTTGGTCACTCACT
476489	CATCTTTCGCGGAGTTTATTGCGG	CCGCAATAAACTCCGCGAAAGATG
477490	CTTCGTCCGGTTAGTGCGACAGCA	TGCTGTGCGCACTAACCGGACGAAG
478491	CTCACGAAAACGTGGGCCCCGAAAT	ATTTCCGGGCCACGTTTTTCGTGAG
479492	CGCAGCAGCTGAACTCTAGCATTG	CAATGCTAGAGTTCAGCTGCTGCG
480493	AGGAGACATACGCCCAAATGGTGC	GCACCATTTGGGCGTATGTCTCCT
481494	ATTGAGAACTCGTGCGGGAGTTTG	CAAACCTCCCGCACGAGTTCTCAAT
482495	CTCTTTGTAGGCCCAGGAGGAGCA	TGCTCCTCCTGGGCCTACAAAGAG
483496	GCCGCAGGGTCGATAATTGGTCTA	TAGACCAATTATCGACCCTGCGGC
484497	AAACGCCGCCCTGAGACTATTGGG	CCCAATAGTCTCAGGGCGGCGTTT
485498	CTGAGTTGCCTGGAACGTTGGA	AGTCCAACGTTCCAGGCAACTCAG
486499	CGGATGGGTTGCAGAGTATGGGAT	ATCCCATACTCTGCAACCCATCCG
487500	CTGACCTTTGGGGGTTAGTGCGGT	ACCGCACTAACCCCCAAAGGTCAG
488501	GGAAATGAGAACCTTACCCAGCG	CGCTGGGGTAAGGTTCTCATTTCC
489502	AACGCATCGTCCGTCAACTCATCA	TGATGAGTTGACGGACGATGCGTT
490503	TGGAGAGAGACTTCGGCCATTGTT	AACAATGGCCGAAGTCTCTCTCCA
491504	TTGCGCTCATTGGATCTTGTGAGG	CCTGACAAGATCCAATGAGCGCAA
492505	AGCGCGTTAAAGCACGGCAACATT	AATGTTGCCGTGCTTTAACGCGCT
493506	AGCCAGTAACTGTGGGCGGCTGT	ACAGCCGCCACAGTTTACTGGCT
494507	CGACTGATGTGCAACCAGCAGCTG	CAGCTGCTGGTTGCACATCAGTCG
495508	GGTTGCTCATACGACGAGCGAGTG	CACTCGCTCGTCGTATGAGCAACC
10	GTCCAACGCGCAACTCCGATTCAA	TTGAATCGGAGTTGCGCGTTGGAC
11	TTGCCGCACCGTCCGTCTCATCTCAA	TTGAGATGACGGACGGTGCGGCAA
498512	AGAACCTCCGCGCCTCCGTAGTAG	CTACTACGGAGGCGCGGAGGTTCT
499513	AAAGGAGCTTTGCCCCAACGTACC	GGTACGTTGGGCGAAAGCTCCTTT
500514	AGTGATTGTGCCACTCCACAGCTC	GAGCTGTGGAGTGGCACAATCACT
501515	GCGATCGTCGAGGGTTGAGCTGAA	TTCAGCTCAACCCTCGACGATCGC
502516	GGGAGACAGCCATTATGGTCCTCG	CGAGGACCATAATGGCTGTCTCCC
503517	GAGACGCTGTCACTCCGGCAGAAC	GTTCTGCCGGAGTGACAGCGTCTC
504518	CCACCGGTCGCTTAAGATGCACTT	AAGTGCACTTAAGCGACCGGTGG

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505519	CGGCATAACGTCCAGTCCTGGGAC	GTCCCAGGACTGGACGTTATGCCG
506520	AAGCGGAACGGGTATACCGAGGT	ACCTCGGTATAACCCGTTCCGCTT
507521	TGCACACTAGGTCCGTCGCTTGAT	ATCAAGCGACGGACCTAGTGTGCA
508522	AGGGAACCGCGTTCAAACCTCAGTT	AACTGAGTTTGAACGCGGTTCCCT
509523	GAATTACAACCACCCGCTCGTGTT	AACACGAGCGGGTGGTTGTAATTC
510524	TTCAGTGCTCACGAAGCATGGATT	AATCCATGCTTCGTGAGCACTGAA
511525	TTAGTTTGGCGTTGGGACTTCACC	GGTGAAGTCCCAACGCCAAACTAA
512526	AATGCGACCTCGACGAGCCTCATA	TATGAGGCTCGTCGAGGTCGCATT
513527	CCGAAACCGTTAACGTGGCGCACA	TGTGCGCCACGTTAACGGTTTCGG
514528	TAAAGTAACAAGGCGACCTCCCGC	GCGGGAGGTCGCCTTGTTACTTTA
515529	TAATGATTTTAGTCGCGGGGTGGG	CCCACCCCGCGACTAAATCATTAA
516530	GGCTACTCTAAGTGCCCGCTCAGG	CCTGAGCGGGCACTTAGAGTAGCC
517531	TGGCGGACGACTCAATATCTCACG	CGTGAGATATTGAGTCGTCCGCCA
518532	GGGCGTTAGGCGTAATAGACCGTC	GACGGTCTATTACGCCTAACGCCC
519533	GCCACCTTTAGACGGCGGCTCTAG	CTAGAGCCGCCGTCTAAAGGTGGC
520534	GAGATGTGTAAACGTGCAGGCACC	GGTGCCTGCACGTTTACACATCTC
521535	TAGCTCGTGGCCCTCCAAGCGTGT	ACACGCTTGGAGGGCCACGAGCTA
522536	GTGTGCGGCGCTATTTGGCCTTACC	GGTAAGGCCAAATAGCGCCGACAC
523537	CCAGGGAAGCAACTGGTTGCCATT	AATGGCAACCAGTTGCTTCCCTGG
524538	TTCCGAAACTAAGCCAGAACCGCT	AGCGGTTCTGGCTTAGTTTCGGAA
525539	GCAAACCCGGTAACCCGAGAGTTC	GAACTCTCGGGTTACCGGGTTTGC
526540	GCAAATGGCGTCATGCACGAACGT	ACGTTCTGTCATGACGCCATTTGC
527541	AGTACTTTCGCGCCAGTTTAGGG	CCCTAAACTGGGCGCGAAAGTACT
528542	AAGATCTGCGAGGCATCCCGGCTT	AAGCCGGGATGCCTCGCAGATCTT
529543	GCAAGTGTATCGCACAGTGCGATT	AATCGCACTGTGCGATACACTTGC
530544	CCGACAAGGCCTCAATTCATTCTG	CAGAATGAATTGAGGCCCTGTGCG
531545	GTCTCGTCTCAACTTTAAGGCGCG	CGCGCCTTAAAGTTGAGACGAGAC
532546	ATCCAGAGATCCGTTTTGCAGCGT	ACGCTGCAAAACGGATCTCTGGAT
533547	GTCACCAGGAGGGAAGTTTCACCC	GGGTGAAACTTCCCTCCTGGTGAC
534548	TTCCGTCAGGCGGATCAACGGAAT	ATTCCGTTGATCCGCCTGACGGAA
535549	ATGCCGGACACGCATTACACAGGC	GCCTGTGTAATGCGTGTCCGGCAT
536550	TGGGCCGCTTGGCGCTTTCATAGA	TCTATGAAAGCGCCAAGCGGCCCA
537551	CCTAGCGCGAGCTTTACTGACCAG	CTGGTCAGTAAAGCTCGCGCTAGG
538552	TTGGCCAGGAATATGGTCTCGAGA	TCTCGAGACCATATTCTTGCCCAA
539553	GTCTGCGGCCGACTTGCTATGCAT	ATGCATAGCAAGTCGGCCGCAGAC
540554	AACCTTGCTCATTCTCAAGCCGACG	CGTCGGCTTGAGAATGAGCAAGTT
541555	ACGTCAGCGATTGTGGCGAAATAT	ATATTTGCGCCACAATCGCTGACGT
542556	ACGGCCTGCGTCAGCACATGCATC	GATGCATGTGCTGACGCAGGCCGT

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543559	ATACCTCCGCAGAACCATTCCGTT	AACGGAATGGTTCTGCGGAGGTAT
544560	AGTTCGCGGTCCCACGATTCACTT	AAGTGAATCGTGGGACCGCGAACT
545561	TGCTCAATTTGTGCAGAAAACGCC	GGCGTTTTCTGCACAAATTGAGCA
546562	TTATCGCGAGAGACGACCGTGTCC	GGACACGGTCGTCTCTCGCGATAA
547563	GACGCGACGTGAGTAGTGAAGCG	CGCTTCCACTACTCACGTCGCGTC
548564	ATGGTAGGGGCATTGGGCTTTCCT	AGGAAAGCCCAATGCCCTACCAT
549565	CCAAATATAGCCGCGCGGAGACAT	ATGTCTCCGCGCGGCTATATTTGG
550566	GCAAACCCTGATTGAATCGTGCCC	GGGCACGATTCAATCAGGGTTTGC
551567	TAGCGTCTTGCGTGAAACCATGGG	CCCATGGTTTCACGCAAGACGCTA
552568	CCACCCCGACAGCGCTGGACTCTT	AAGAGTCCAGCGCTGTCGGGGTGG
553569	ACGAGCACTGAAGGCTGCTTTACG	CGTAAAGCAGCCTTCAGTGCTCGT
554570	CATATCAGCGTCGTCTAGCTCGCG	CGCGAGCTAGACGACGCTGATATG
555571	TGATCCCGGACCGGCTAGACTAAT	ATTAGTCTAGCCGGTCCGGGATCA
556572	GGCCCCGACACTACAGGGTAATCA	TGATTACCCTGTAGTGTGCGGGGCC
557573	GGCTCCAGGGCGAGATTATGAATG	CATTCTAATCTCGCCCTGGAGCC
558574	CAAAATCCGATGGGCGGAAAATTA	TAATTTTCCGCCCATCGGATTTTG
559575	CACAGGCGCATAGGGAGCAAGCTA	TAGCTTGCTCCCTATGCGCCTGTG
560576	TAGCTATTGCCCCGATGGGCTACT	AGTAGCCCATCGGGGCAATAGCTA
561577	TGGTACGCGGTCCATAGCAAGTCG	CGACTTGCTATGGACCGCGTACCA
562578	GACGCTGTGGCTCGGAACTGTTC	GAACAGTTTCCGAGCCACAGCGTC
563579	CCTGGGTTTCGCCGCGTGTAAGTG	CAGTTACCACGCGGCGAACCAGG
564580	TTCCCGCGTAGCCCAACAGCTATA	TATAGCTGTTGGGCTACGCGGGAA
565581	TTCGCGGATTGCTGCCGCATAACA	TGTTATGCGGCAGCAATCCGCGAA
566582	AAAAATGGCACCGAAGTTGAGGCA	TGCCTCAACTTCGGTGCCATTTTT
567583	CATTCCGCGCGAGTTGAAATCCAG	CTGGATTTCAACTCGCGCGGAATG
568584	ACGCACGTTTTTTGGCACGGTTAA	TTAACCGTGCCAAAAAACGTGCGT
569585	TGTCCATGACGTCGTTTCTCTGGT	ACCAGAGAAACGACGTCATGGACA
570586	TCTCAGTCGGACTCGTATGCCAGA	TCTGGCATACGAGTCCGACTGAGA
571587	CTCCAAACGCACACATCAAGCATC	GATGCTTGATGTGTGCGTTTGGAG
572588	TTCAACCAAGCGGGGTGTTCTGTGA	TCACGAACACCCCGCTTGTTGAA
573589	GGTGTGCGAGGGTGGTGACCTCGA	TCGAGGTCACCACCCTCCGACACC
574590	AGCGCTTTTGGTCATGATTTGCAA	TTGCAAATCATGACCAAAAGCGCT
575591	CCGAGGACTTACGTCTGCCAGGA	TCCTGGGCAGACGTAAGTCCTCGG
576592	GCCCAATCCAGTTCTTATGCGCCC	GGGCGCATAAGAACTGGATTGGGC
577593	CGGGTTAACCACGCAAGTTATGA	TCATAACTTGCGTGGGTAAACCCG
578594	TGATTAGCGCTCAATACACGCGTG	CACGCGTGTATTGAGCGCTAATCA
579595	AAGGGCAGACCTTTGGTTCGACTG	CAGTCGAACCAAAGGTCTGCCCTT
580596	GCGCCACAAGATTCACATGTCATT	AATGACATGTGAATCTTGTGGCGC

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581 ⁵⁹⁷	GCCATGTTCAAGGGCCTTTCAAG	CTTCGAAAGGCCCTTGAACATGGC
582 ⁵⁹⁸	CGCGGTGTTTTGTCTAGGTGCCGG	CCGGCACCTAGACAAAACACCGCG
583 ⁶⁰⁰	CAACATTGTGGTGGCACTCCATCC	GGATGGAGTGCCACCACAATGTTG
584 ⁶⁰¹	CGATACGCGCCGGTTTGTTAAATC	GATTTAACAACCGGCGCGTATCG
585 ⁶⁰²	GGCTATAAACGTGCGGACTGCTCC	GGAGCAGTCCGCACGTTTATAGCC
586 ⁶⁰³	TGGGTAAATCACTATTGCGCGGTT	AACCGCGCAATAGTGATTTACCCA
587 ⁶⁰⁴	GTCTTCATCGGCCCGCGCAAGCTA	TAGCTTGCGCGGGCCGATGAAGAC
588 ⁶⁰⁵	GCGACACACCCTGTACTCTGATGC	GCATCAGAGTACAGGGTGTGTGCG
589 ⁶⁰⁶	GTAGCAGGGTCCGCAAGACCAAGC	GCTTGGTCTTGCGGACCCTGCTAC
590 ⁶⁰⁷	TCGCCAACGCAGGGTAACTGCCAT	ATGGCAGTTACCCTGCGTTGGCGA
591 ⁶⁰⁸	ACTCCGAAGCTTCGAGCGGCACGA	TCGTGCCGCTCGAAGCTTCGGAGT
12	CATCGTCCCTTTGATGGGATCAA	TTGATCCCATCGAAAGGGACGATG
13	GCACGGGAGCTGACGACGTGTCAA	TTGACACGTCGTCAGCTCCCGTGC
594 ⁶¹¹	ATCATCCACGGCAGAGTGAAGAG	CTCTTCACTCTGCCGTGGGATGAT
595 ⁶¹²	CGCTGGACTGGCCTATCCGAGTCG	CGACTCGGATAGGCCAGTCCAGCG
596 ⁶¹³	CGGTCTCAGCAAACTGTCGAAA	TTTGCACAGTGTTGCTGAGACCG
597 ⁶¹⁴	CGAACGTTCTCCGATGTAATGGCC	GGCCATTACATCGGAGAACGTTCCG
598 ⁶¹⁵	ATACCGTGCGACAAGCCCCTCTGA	TCAGAGGGGCTTGTCGCACGGTAT
599 ⁶¹⁶	AGCTCATTCCCGAGACGGAACACC	GGTGTTCCGTCTCGGGAATGAGCT
600 ⁶¹⁷	TTTCATGCGGCCGTTGCAAATCAT	ATGATTTGCAACGGCCGCATGAAA
601 ⁶¹⁸	ACTCGAACGGACGTTCAATCCCA	TGGGAATTGAACGTCCGTTTCGAGT
602 ⁶¹⁹	CTGCATGGTGTGGGTGAGACTCCC	GGGAGTCTCACCACACCATGCAG
603 ⁶²⁰	CCGCGAGTGTGGATGGCGTGTTGA	TCAACACGCCATCCCACTCGCGG
604 ⁶²¹	AATGTGTCGGTCCTAAGCCGGGTG	CACCCGGCTTAGGACCGACACATT
605 ⁶²²	TAAGACGAGCCTGCACAGCTTGCG	CGCAAGCTGTGCAGGCTCGTCTTA
606 ⁶²³	GGCGTGGGAGGATAAGACGATGTC	GACATCGTCTTATCCTCCACGCC
607 ⁶²⁴	TGCTCCATGTTAGGAACGCACCAC	GTGGTGCGTTCCTAACATGGAGCA
608 ⁶²⁵	CGGTGTTGGTCGGACTGACGACTG	CAGTCGTCAGTCCGACCAACACCG
609 ⁶²⁶	CCGCGCGTATCTATCAGATCTGGG	CCCAGATCTGATAGATACGCGCGG
610 ⁶²⁷	AAAGCATGCTCCACCTGGAGCGAG	CTCGCTCCAGGTGGAGCATGCTTT
611 ⁶²⁸	ACTTGCATCGCTGGGTAGATCCGG	CCGGATCTACCCAGCGATGCAAGT
612 ⁶²⁹	TGCTTACGCAGTGGATTGGTCAGA	TCTGACCAATCCACTGCGTAAGCA
613 ⁶³⁰	ATGCAGATGAACAAATCGCCGAAT	ATTCGGCGATTTGTTTCATCTGCAT
614 ⁶³¹	GCAATTCTGGGCCATGTATTGTC	GACGAATACATGGCCCAGAATTGC
615 ⁶³²	AGGGTTCCTACGCGTCGACATGG	CCATGTGCGACGCGTAAGGAACCCT
616 ⁶³³	GTGGAGCTAATCGCGAGCCTCAGA	TCTGAGGCTCGCGATTAGCTCCAC
617 ⁶³⁴	TCGTAGTCTCACC GGCAATGATCC	GGATCATTGCCGGTGAGACTACGA
618 ⁶³⁵	TTATAGCAGTGCGCCAATGCTTCG	CGAAGCATTGGCGCACTGCTATAA

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619/030	CGAACAGTGCTGTCCGTCGCTCAA	TTGAGCGACGGACAGCACTGTTCCG
620/037	TCCGCGTGGACTGTTAGACGCTAT	ATAGCGTCTAACAGTCCACGCGGA
621/038	CATTAGCCCGCTGTCCGTAACGT	ACAGTTACCGACAGCGGGCTAATG
622/039	GGAAAGAACTCAGACGCGCAATG	CATTGCGCGTCTGAGTTTCTTTCC
623/040	CGACTCGCTGGACAGGAGAATCGT	ACGATTCTCCTGTCCAGCGAGTCG
624/041	CATGATCCTCTGTTTACCCGCGG	CCGCGGGTGAACAGAGGATCATG
625/042	GGCGTAGCGCTCTAAAGCTTCGG	CCGAAGCTTTTAGAGCGCTACGCC
626/043	AGTGATGCCATCAGGCCCGTATAC	GTATACGGGCCTGATGGCATCACT
627/044	TATGGAAAGGGCAACAGCGCTATC	GATAGCGCTGTTGCCCTTTCCATA
628/045	CTGTGGTTGATGGAGGATCCACAC	GTGTGGATCCTCCATCAACCACAG
629/046	ACTCGCTGGAATTTGCGCTGACAC	GTGTCAGCGCAAATTCAGCGAGT
630/047	CAGGCCCGAACCACGCGGTTACAG	CTGTAACCGCGTGGTTCGGGCCTG
631/048	GGCGCAATGGGCGCATAAATACTA	TAGTATTTATGCGCCCATTCGCGCC
632/049	GGTCAATTCGCGCTACATGCCCTA	TAGGGCATGTAGCGCGAATTGACC
633/050	GATGGTGGACTGGAGCCCTTCCGC	GCGGAAGGGCTCCAGTCCACCATC
634/051	CCGCGCATAGCGCAATAGGGGAGA	TCTCCCCTATTGCGCTATGCGCGG
635/052	TCTTCTGGCTGTCCGGCACCCGAA	TTCCGGTGCCGGACAGCCAGAAGA
636/053	GCGTTCGCAATTCACGGGCCCTTA	TAAGGGCCCGTGAATTGCGAACGC
637/054	TCGTTTCGGCCTTGAGAGTATCG	CGATACTCTCCAAGGCCGAAACGA
638/055	AGGTGCAAGTGCAAGGCGAGAGGC	GCCTCTCGCCTTGCACTTGACCT
639/056	CGCCAGTTTTGATGGCTGACGTTT	AAACGTCAGCCATCGAAACTGGCG
640/057	GCTTTACCGCCGATCCCAGATATC	GATATCTGGGATCGGCGGTAAAGC
641/058	GTGCTTGACGAAGAGGCGAAATGT	ACATTTGCGCTCTTCGTCAAGCAC
642/059	CAGTCCGTGCGCTTCATGTCCTCA	TGAGGACATGAAGCGCACGGACTG
643/060	TACGCGTAAGAGCCTACCCTCGCG	CGCGAGGGTAGGCTCTTACGCGTA
644/061	GGCGAGTCTTGTGGGGACATGTGT	ACACATGTCCCCACAAGACTCGCC
645/062	CCAAAGCGAAGCGAGCGTGTCTAT	ATAGACACGCTCGCTTCGCTTTGG
646/063	GCCGTAGGTTGCTCTTCACCGAAC	GTTCGGTGAAGAGCAACCTACGGC
647/064	AAATCCGCGATGTGCCGTGAGGCT	AGCCTCACGGCACATCGCGGATTT
648/065	GGCTTCGCACCCGTACCAATTTAG	CTAAATTGGTACGGGTGCGAAGCC
649/066	TGTAGAGTCCCACGTAGCCGGCAT	ATGCCGGCTACGTGGGACTCTACA
650/067	CACTAGTCTGGGGCAAGGTGCATT	AATGCACCTTGCCCCAGACTAGTG
651/068	TGTACTCGGCAGGCGCAATAGATT	AATCTATTGCGCCTGCCGAGTACA
652/069	AACGGGTATCGGAAGCGTAAAAGC	GCTTTTACGCTTCCGATACCCGTT
653/070	CGGACTGCCCGTTTGCAAGTTGAG	CTCAACTTGCAAACGGGCAGTCCG
654/071	ATCGTTCAGCACTGGAGCCCGTAA	TTACGGGCTCCAGTGCTGAACGAT
655/072	ATGCATCGAACTAGTCGTGACGGC	GCCGTCACGACTAGTTCGATGCAT
656/073	TTCCAGGCATTAAGGAGAGGGAGC	GCTCCCTCTCCTTAATGCCTGGAA

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657 675	GTGCGACATCTACTCCACGATCCC	GGGATCGTGGAGTAGATGTCGCAC
658 676	CTCATCGTCCTAACACGAGAGCCC	GGGCTCTCGTGTTAGGACGATGAG
659 677	AATGGCACTTCGGCGGTGATGCAA	TTGCATCACCGCCGAAGTGCCATT
660 678	CCGTGGGAGGGAATCCAACCGAGG	CCTCGGTTGGATTCCCTCCCACGG
661 679	AAATTCTCGTTGGTGACGGCTCAT	ATGAGCCGTCACCAACGAGAATTT
662 680	TTGCTCTTATCCTTGCTGGGCG	CGCCCAGGACAAGGATAAGAGCAA
663 681	TTAAGGATCAGGCGGAGCTTGACG	CTGCAAGCTCCGCCTGATCCTTAA
664 682	CGCGACTAAGGTGCTGCAACTCGA	TCGAGTTGCAGCACCTTAGTCGCG
665 683	GCTCGATTTACGGCCCCGTTGTTC	GAACAACGGGCCGTGAAATCGAGC
666 684	AGCAGAGTGCGTTGCAGAGGCTAA	TTAGCCTCTGCAACGCACTCTGCT
667 685	TGGAGGTGAGGACGACGTGCACTA	TAGTGCACGTCGTCCTCACCTCCA
668 686	AACCGTTTAGGGTACATTGCGGGT	ACCGCGAATGTACCCTAAACGGTT
669 687	TATGATCGCTCGGCTCACAGTTTG	CAAACGTGAGCCGAGCGATCATA
670 688	GACTTTTTGCGGAAACGTCATGGT	ACCATGACGTTTCCGCAAAAAGTC
671 689	TGTCGGTTATTCCACCTGCAAGGA	TCCTTGCAAGTGGAATAACCGACA
672 690	CTATGGTTTGCACTGCGCCGTCGA	TCGACGGCGCAGTGCAAACCATAG
673 691	AGCAGGGAAATTCAATCGTTGCGA	TGCGAACGATTGAATTTCCCTGCT
674 692	CCTAACCGAGCGCTTAGCATTTC	GGAAATGCTAAGCGCTCGGTTAGG
675 693	CCCAGCCCTAACTCGCATTGAATA	TATTCAATGCGAGTTAGGGTCGGG
676 694	TTGCTTAATGGTGACGCCACGGAT	ATCCGTGGCGTCACCATTAAGCAA
677 695	GATGCTCGCCGTGTTTAGTTCACG	CGTGAACATAACACGGCGAGCATC
678 696	TCGGATGACGAGTTTCCATGACGG	CCGTCATGGAAACTCGTCATCCGA
679 697	ATGCGGTCTACTTTCTCGATCGGG	CCCGATCGAGAAAGTAGACCGCAT
680 698	TTGCGAGGCTAAGCACACGGTAAA	TTTACCGTGTGCTTAGCCTCGCAA
681 699	AACCTAATTACCGCCTCTGGCGCC	GGCGCCAGAGGCGGTAATTAAGTT
682 700	GTGACCGCGAACTTGTTCCGACAG	CTGTGCGGAACAAGTTCGCGGTCAC
683 701	TGCGGATTACCGATTGCTCTTAA	TTAAGAGCGAATCGGTAATCCGCA
684 702	TGATAGGGGGCCACGTTGATCAGA	TCTGATCAACGTGGCCCCCTATCA
685 703	TCGCTCCGTAGCGATTTCATCGTAG	CTACGATGAATCGCTACGGAGCGA
686 704	TGTCAGCTGGTAGCCTCCGTTTGA	TCAAACGGAGGCTACCAGCTGACA
687 705	AGCGTCGCATGACGCTTACGGCAC	GTGCCGTAAGCGTCATGCGACGCT
14	AGACGCACCGCAACAGGCTGTCAA	TTGACAGCCTGTTGCGGTGCGTCT
15	CGTGTAGGGGTCCCCTGCTGTCAA	TTGACAGCACGGGACCCCTACACG
690 708	GTCGCATTCTGCACTGGCTTCGCC	GGCGAAGCCAGTGCGAATGCGAC
691 709	TGATTAGGTGCGGTCCCGTAGTCC	GGACTACGGGACCGCACCTAATCA
692 710	AAGGGACCTTGGGTGACGGCGAGA	TCTCGCCGTCACCCAAGGTCCCTT
693 711	TCAAATGGCCACCGCGTGTCATTC	GAATGACACGCGGTGGCCATTTGA
694 712	CTCCGACGACCAATAAATAGCCGC	GCGGCTATTTATTGGTCGTCGGAG

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695713	GGCTATTCCCGTAGAGAGCGTCCA	TGGACGCTCTCTACGGGAATAGCC
696714	TGGATAACCTCTCGGTCCATCCAC	GTGGATGGACCGAGAGGTTATCCA
697715	GACCGCTGTACGGGAGTGTGCCTT	AAGGCACACTCCCGTACAGCGGTC
698716	GCCACAGAGTTTTAGCAGGGACCC	GGGTCCCTGCTAAAACTCTGTGGC
699717	CCCACGCTTTCCGACCACTGACCT	AGGTCAGTGGTCGGAAAGCGTGGG
700718	CATTGACACAATGCGGGGACTGAT	ATCAGTCCCCGCATTGTGTCAATG
701719	AGCCACTCGACAGGGTTCCAAAGC	GCTTTGGAACCCTGTGAGTGGCT
702720	CAGGATGAGCAAAGCGACTCTCCA	TGGAGAGTCGCTTTGCTCATCCTG
703721	CAAGGTATGGTCTGGGGCCTAAGC	GCTTAGGCCCCAGACCATACCTTG
704722	GGTGTTCCGGCCTAAACTCTTTCGG	CCGAAAGAGTTTAGGCCGAACACC
705723	TTTAGTCGGACCCTGTGGCAATTC	GAATTGCCACAGGGTCCGACTAAA
706724	CACACGTTTCCGACCAGCCTGAAC	G TTCAGGCTGGTCGGAAACGTGTG
707725	CTGGACGAACTGGCTTCCTCGTAC	GTACGAGGAAGCCAGTTTCGTCCAG
708726	TTCACAATCCGCCGAAAACGACC	GGTCAGTTTTCGGCGGATTGTGAA
709727	AACAGGATATCCGCGATCACGACA	TGTCGTGATCGCGGATATCCTGTT
710728	TACGTCGGATCCATTGCGCCGAGT	ACTCGGCGCAATGGATCCGACGTA
711729	CATGGATCTCTCGGTTTGATCGCC	GGCGATCAAACCGAGAGATCCATG
712730	AGCCAGGCGCGTATATACGCTCGG	CCGAGCGTATATACGCGCCTGGCT
713731	ATTTGGCACGTGTCGTGCCATGTT	AACATGGCACGACACGTGCCAAAT
714732	CCGCGTTGCACCACTTTGAGGTGC	GCACCTCAAAGTGGTGCAACGCGG
715733	TTGGACGTGACAAGCATGGCGCTC	GAGCGCCATGCTTGTCACGTCCAA
716734	CTGAATCGCGCAAGTAAATGGGGG	CCCCCATTTACTTGCGCGATTTCAG
717735	GATAAGGTCCACCAGATTGCGCGC	GCGCGCAATCTGGTGGACCTTATC
718736	CTAACAATTGCCAACCGGGACGGC	GCCGTCCCGGTTGGCAATTGTTAG
719737	GGTAACCTGGGTGCTTGACAGTTA	TAACCTGCAAGCACCCAGGTTACC
720738	ATCGGAGCCACCATTGCGATTGGG	CCCAATGCGAATGGTGGCTCCGAT
721739	GTGAACTGGCTTGCCCCAGGATTA	TAATCCTGGGGCAAGCCAGTTCAC
722740	AGGCGATAGCATGGTCCCATATGA	TCATATGGGACCATGCTATCGCCT
723741	AACGGTATCGTGGCTAATGCACGA	TCGTGCATTAGCCACGATACCGTT
724742	AGTAGTGGTCCTCCAGATCGGCAA	TTGCCGATCTGGAGGACCACTACT
725743	CCGTTGAATTGGACGGGAGGTTAG	CTAACCTCCCGTCCAATTCAACGG
726744	GCATAAGTGCGGCATCGCGAAGGG	CCCTTCGCGATGCCGCACTTATGC
727745	CGACAAGATGCAGCTGCTACATGC	GCATGTAGCAGCTGCATCTTGTCG
728746	TCGCAGTGATTCCCGACCGATAAG	CTTATCGGTGCGGAATCACTGCGA
729747	CAAGGCGAGTCCACTCGAGGGGAC	GTCCCCTCGAGTGGACTCGCCTTG
730748	GCAACTTGACGCGCATAAGTGGCC	GGCCACTTATGCCGTGCAAGTTGC
731749	TCCGAGCTTGACGTTGCGGACGTC	GACGTCGCGAACGTCAAGCTCGGA
732750	AGCGCTGGGCTGTGCTGCCATCTC	GAGATGGCAGCACAGCCCAGCGCT

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733/751	TTCATGTCGCTGAGTAACCCTCGC	GCGAGGGTTACTCAGCGACATGAA
734/752	CGAACCGCTAATGCCCATGTGAG	CTGACAATGGGCATTAGCGGTTTCG
735/753	CACGGAAGGTGGGACAAATCGCCG	CGGCGATTTGTCCACCTTCCGTG
736/754	CACAGATGGAGACAAACGCGCCTT	AAGGCGCGTTTGTCTCCATCTGTG
737/755	TTTTCGCAACTCGCTCCATAACCC	GGGTTATGGAGCGAGTTGCGAAAA
738/756	ACGTTACGTTTCCGGCGCCTCTAA	TTAGAGGCGCCGGAACGTAACGT
739/757	TATCGGATTGCGTGGGTTTCAATC	GATTGAAACCCACGCAATCCGATA
740/758	CTTCCACAATTGTCTGCGACGCAC	GTGCGTCGCAGACAATTGTGGAAG
741/759	TGCACAAAGGTATGGCTGTCCGGC	GCCGGACAGCCATACCTTTGTGCA
742/761	TCCGATGCCAGTCCCATCTTAAGA	TCTTAAGATGGGACTGGCATCGGA
743/762	CTGAAACCGTGCGAATCGAGGTGA	TCACCTCGATTGCGACGGTTTCAG
744/763	CGGTGTTCCGCGTGTGAAAAAAT	ATTTTTTCGACACGCGGAACACCG
745/764	TCTAGCAGGCCTTTTGAATCGCCA	TGGCGATTCAAAGGCCTGCTAGA
746/765	GAGTCACCTCTGAGACGGACGCCA	TGGCGTCCGTCTCAGAGGTGACTC
747/766	TCTTCTGTCATCCTGCAGCAGCAT	ATGCTGCTGCAGGATGACAGAAGA
748/767	GCGGATGAAACCTGAAAGGGGCCT	AGGCCCTTTTCAGGTTTCATCCGC
749/768	GGGGCCCCAACTGGTATCAAGCC	GGCTTGATACCAGTTTGGGGCCCC
750/769	GCATTGGCTTCGGATTCTCCTACA	TGTAGGAGAATCCGAAGCCAATGC
751/770	AGGCGGCCCAACTGTGAGGTCTTG	CAAGACCTCACAGTTGGGCCGCCT
752/771	ACACCATGTGCTCCGCGCTGCAGT	ACTGCAGCGCGGAGCACATGGTGT
753/772	ACGATGAACATGAATCGGGAGTCG	CGACTCCCGATTTCATGTTTCATCGT
754/773	CTGCATCCCTGTAGCAGCGCTCCG	CGGAGCGCTGCTACAGGGATGCAG
755/774	GTGCCGTATTTGACCTGTGCGTT	AACGCACAGGTCGAAATACGGCAC
756/775	GCAGTGCGCACTTCAGTTCAAAG	CTTTTGAAGTGAAGTGCGCACTGC
757/776	GCGATTTTAAGCGATGCCTTGACG	CGTCAAGGCATCGCTTAAATCGC
758/777	TAGGTGACCTAGGCTTGCTTGCGG	CCGCAAGCAAGCCTAGGTCACCTA
759/778	CTGGATACCTTGCTGTGCGGCGC	GCGCCGCACAGGCAAGGTATCCAG
760/779	CCCCTTACGGCTCGTCGTCTATGC	GCATAGACGACGAGCCGTAAGGGG
761/780	GCGCTTGCCCGATGCGATGCATTA	TAATGCATCGCATCGGGCAAGCGC
762/781	TTTCTGTAAGCGGCCTGGGGTTCA	TGAACCCAGGCCGCTTACAGAAA
763/782	GGCTGAGGTGAGCGGTAAGGATGA	TCATCCTTACCGCTCACCTCAGCC
764/783	TCTTGGCCTCCCCGATCTAATTTG	CAAATTAGATCGGGGAGGCCAAGA
765/784	GGAGGTAACGCCGTGTACGTAGGA	TCCTACGTACACGGCGTTACCTCC
766/785	GTAATCCATTTGTGGCTGCGTCAA	TTGACGCAGCCACAAATGGATTAC
767/786	CAAACCCATTCCAGCAGACGCCTG	CAGGCGTCTGCTGGAATGGGTTTG
768/787	TAGGAGGAATTTGGCATGCGGGCG	CGCCCGCATGCCAAATTCCTCCTA
769/788	ATAGGTAGGATGTGCCGGCGGTTG	CAACGCCGGGCACATCCTACCTAT
770/789	GCAAGTGCTTAGCTCGTCAGCCTC	GAGGCTGACGAGCTAAGCACTTGC

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774790	CTGGCTGTGTCGCATCTCGTTAAC	GTTAACGAGATGCGACACAGCCAG
772791	CTAACGTCGTCTCGCGCAATCACT	AGTGATTGCGCGAGACGACGTTAG
773792	TTTTCATAAACGTTGTCCCGAGC	GCTCGGGGACAACGTTTATGAAAA
774793	AGCAGGAGGACGAACCTCCGCTCC	GGAGCGGAGGTTCTCCTCCTGCT
775794	TTCAAGCACCATCGTGCAATCCAA	TTGGATTGCACGATGGTGCTTGAA
776795	AGCGTCGCCAGTGATCGCTAGTGG	CCACTAGCGATCACTGGCGACGCT
777796	TACATTCCCTGCCTCCGTGGGCTT	AAGCCACGGAGGCAGGGAATGTA
778797	CGCTTCGCGTATTCAGTAGCGGTT	AACCGCTACTGAATACGCGAAGCG
779798	TCGGACGCGTCGACACTCATTATA	TATAATGAGTGTCGACGCGTCCGA
780799	TCTGAGCAGGCCAGCGCTCCAGCT	AGCTGGAGCGCTGGCCTGCTCAGA
781800	TTGAATTGCCAAGCCCTGAAAGCC	GGCTTTCAGGGCTTGGCAATTCAA
782801	AGTTTTCGCCTTGATGCGTCGGTG	CACCGACGCATCAAGGCGAAAAC
783802	GTTTCATAGGCCACGCGTGCTAAA	TTTAGCACGCGTGGCCTATGAAAC
16	CATCGCTGCAAGTACCGCACTCAA	TTGAGTGCGGTACTTGCAGCGATG

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Table 4 starting on page 236 has been amended as follows:

TABLE 4

Seq. ID No.	Decoder Sequence (5'-3') + 5' T	Probe Sequence (5'-3') + 5' T
474001	TTTCGCCGTCGTGTAGGCTTTTCAA	TTTGAAAAGCCTACACGACGGCGAA
484002	TGTTCCCAGTGAAGCTGCGATCTGG	TCCAGATCGCAGCTTCACTGGGAAC
494003	TTACTTGGCATGGAATCCCTTACGC	TGCGTAAGGGATTCCATGCCAAGTA
204004	TACTAGCATATTTTCAAGGACCGGC	TGCCGGTGCCCTGAAATATGCTAGT
214005	TGAACGGTCAATGAACCCGCTGTGA	TTACACAGCGGGTTCATTGACCGTTC
224006	TGCGGCCTTGGTTCAATATGAATCG	TCGATTCATATTGAACCAAGGCCGC
234007	TGATCGTTAGAGGGACCTTGCCCGA	TTCGGGCAAGGTCCCTCTAACGATC
244008	TTGGACCTAGTCCGGCAGTGACGAA	TTTCGTCACTGCCGGACTAGGTCCA
254009	TATAAACTACCCAGGACGGGCGGAA	TTTCCGCCCGTCTCTGGGTAGTTTAT
264010	TCATCGGTTTCGCGCCAATCCAGATA	TTATCTGGATTGGCGCGAACCGATG
274011	TGTCGGGCATAGAGCCGACCACCCT	TAGGGTGGTCGGCTCTATGCCCGAC
284012	TCTTGGGTCATGATTCACCGTGCTA	TTAGCACGGTGAATCATGACCCAAG
294013	TTGCCTAACGTGCTAATCAGCAGCG	TCGCTGCTGATTAGCACGTTAGGCA
304014	TCGCATGTTGGAGCATATGCCCTGA	TTCAGGGCATATGCTCCAACATGCG
314015	TAGCCACTGCATCAGTGCTGTTCAA	TTTGAACAGCACTGATGCAGTGGCT
324016	TGGTTGTTTTGAGGCGTCCCACACT	TAGTGTGGGACGCCTCAAAACAACC
334017	TTCGACCAAGAGCAAGGGCGGACCA	TTGGTCCGCCCTTGCTCTTGGTCGA
344018	TGACATCGCTATTGCGCATGGATCA	TTGATCCATGCGCAATAGCGATGTC
354019	TGAAATACGAAGTCTGCGGGAGTCG	TCGACTCCCGCAGACTTCGTATTTTC
364020	TTGTCATGAATGATTGATCGCGCGA	TTGCGCGATCAATCATTGATGACA
374021	TATATCGGGATTTCGTTCCCGGTGAA	TTTCACCGGGAACGAATCCCGATAT
384022	TGCGAGCGTACCGAAGGGCCTAGAA	TTTCTAGGCCCTTCGGTACGCTCGC
394023	TTTACCGGCAGCGGACTTCCGAATT	TAATTCCGAAGTCCGCTGCCGGTAA
404024	TGTAATCGAGAGCTGCGCGCCGTCT	TAGACGGCGCGCAGCTCTCGATTAC
414025	TCCTGTTAGCGTAGGCGAGTCGATC	TGATCGACTCGCCTACGCTAACAGG
424026	TTAGCGGACCGGCAGAATGAGTTCC	TGGAACTCATTCTGCCGGTCCGCTA
434027	TGGTACATGCACTACGCGCACTCGG	TCCGAGTGCGCGTAGTGATGTACC
444028	TAATTCATCTCGGACTCCCGCGGTA	TTACCGCGGGAGTCCGAGATGAATT
454029	TGCCAAATCTGGATTGGCAGGAATG	TCATTCCTGCCAATCCAGATTTGGC
464030	TTGCATTTTCGGTTGAGGCACATCC	TGGATGTGCCTCAACCGAAAATGCA
474031	TCCGCTCAATTCACCATGCTTCGCT	TAGCGAAGCATGGTGAATTGAGCGG
484032	TCTCGGAAAGGTGCAACTTTGGTGT	TACACCAAAGTTGCACCTTCCGAG

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49/033	TAATTCGACCAGCAGAACGTCCCAT	TATGGGACGTTCTGCTGGTCAATT
50/034	TGCCAGAGTCTCAACCTCACGGGAT	TATCCCGTGAGGTTGAGACTCTGGC
51/035	TCCAACAACCTGGAACGGGAACCCGC	TGCGGGTTCCCGTTCCAGTTGTTGG
52/036	TGAGAACTGATCGCTGAGGGGCATG	TCATGCCCCCTCAGCGATCAGTTCTC
53/037	TGGCACACTAGACTTGTGGCACCGA	TTCGGTGCCACAAGTCTAGTGTGCC
54/038	TTACATCCAAATATGGTCCGCGAA	TTTCGCGGACCATATTTGGATGTGA
55/039	TGTCTGCCGGTGTGACCGCTTCATT	TAATGAAGCGGTACACCCGGCAGAC
56/040	TCATCGCAGAGCATAAACACCCTCA	TTGAGGGTGTTTATGCTCTGCGATG
57/041	TGTTGGTATCTATGGCAGAGGCGGA	TTCCGCCTCTGCCATAGATACCAAC
58/042	TACGAGGTGCCGCTGAGGTTCCATT	TAATGGAACCTCAGCGGCACCTCGT
59/043	TGGAATGAGTGGACCCAGGCACATT	TAATGTGCCTGGGTCCACTCATTCC
60/044	TTGTCAATATGCGTCCGTGTCGTCT	TAGACGACACGGACGCATATTGACA
61/045	TTGATGAGCCTCAGGGTACGAGGCA	TTGCCTCGTACCCTGAGGCTCATCA
62/046	TCACCGCGGTGTTCTACAGAATGA	TTCAATTCTGTAGGAACACCGCGGTG
63/047	TTTGTTGCCAATGGTGTCCGCTCGG	TCCGAGCGGACACCATTGGCAACAA
64/048	TTTAACCTGCGTCTGCCCCCTTTCCT	TAGGAAAGGGGCAGACGCAGGTTAA
65/049	TAGGCGCGTTCCTGCCTTAGTGACG	TCGTCACTAAGGCAGGAACGCGCCT
66/050	TTAGGGCGATGGCACGAAGCTTCAA	TTTGAAGCTTCGTGCCATCGCCCTA
67/051	TTGCATAGAGCCAAAGTCGGCGATG	TCATCGCCGACTTTGGCTCTATGCA
68/052	TTTGAGAGGCAGGTGGCCACACGGA	TTCCGTGTGGCCACCTGCCTCTCAA
69/053	TTCCGCATTGTGAGAAAAAACGAGC	TGCTCGTTTTTCTCACAATGCGGA
70/054	TGGCGGTTTCCGTAGCTATAGGTGC	TGCACCTATAGCTACGGAAACCGCC
71/055	TGGTGAAAATTCGTAGCCACGGGC	TGCCCGTGGCTACGAAATTTTCACC
72/056	TCCGACGGAGGATGAAGACAATCAC	TGTGATTGTCTTCATCCTCCGTCCG
73/057	TCCAGTTTGGCCCAATTCGCCAAAA	TTTTTGGCGAATTGGGCCAAACTGG
74/058	TGGATCTATTAGGCCGTGCGCACAG	TCTGTGCGCACGGCCTAATAGATCC
75/059	TCGGATGTCACCGTTTGGACTTTCA	TTGAAAGTCCAAACGGTGACATCCG
76/060	TATCGCAAATCCTGCTCGTCCCTAA	TTTAGGGACGAGCAGGATTTGCGAT
77/061	TCAGGGCATGCAATAATCGAGGTTT	TGAACCTCGATTATTGCATGCCCTG
78/062	TCATGCGTTGATATATGGGCCCAAG	TCTTGGGCCCATATATCAACGCATG
79/063	TCAGCTGCAGCTTGTGACCAACCAC	TGTGGTTGGTCACAAGCTGCAGCTG
80/064	TTTGTATGTCTGCCGACCGGCGACC	TGGTCGCCGGTTCGGCAGACATACAA
81/065	TGATGGCGCCCGTTGATAGGTATGG	TCCATACCTATCAACGGGCGCCATC
82/066	TATGAGAATCGCCGGCAATCTGCTA	TTAGCAGATTGCCGGCGATTCTCAT
83/067	TATTTGCACTGACCGCAGGCTCGTG	TCACGAGCCTGCGGTGAGTGCAAAT
84/068	TCAGGGAGAACGGTTAAGTTCCCGT	TACGGGAACCTTAACCGTTCTCCCTG
85/069	TAGGCCGGCGATCGAGGAGTTTGGT	TACCAAACCTCCTCGATCGCCGGCCT
86/070	TACACGGTGGTCTCTGATAGCGACC	TGGTCGCTATCAGAGACCACCGTGT

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874071	TGTGCAACGCCGAGGACTTCCATCA	TTGATGGAAGTCCTCGGCGTTGCAC
884072	TTCGGTGCCTGATAGCCATTCCGAT	TATCGGAATGGCTATCAGGCACCGA
894073	TTGAAATACCACACAGCCAATTGGC	TGCCAATTGGCTGTGTGGTATTTCA
904074	TGCATCGTGTACATGACTGCCGCGA	TTTCGCGGCAGTCATGTACACGATGC
914075	TCAGTGTTCTAACGGCGCGCGTGAA	TTTCACGCGCGCCGTTAGAACACTG
924076	TCGCTTGCAACGTTGCACCTACTCT	TAGAGTAGGTGCAACGTTGCAAGCG
934077	TCGAAAACTAGTGGGCTCGCCGCG	TCGCGGCGAGCCCACTAGTTTTTCG
944078	TCTTTCAGGGGAACTGCCGGAGTCG	TCGACTCCGGCAGTTCCCCTGAAAG
954079	TTTGTGGCCTTCTTGTAAGGCACG	TCGTGCCTTTACAAGAAGGCCACAA
964080	TTCCACGAACGGCGACCCGTTGTCT	TAGACAACGGGTGCGCCGTTCTGTGA
974081	TCGACCTTGACGAAACCTAACGAG	TCTCGTTAGGTTTCGTGCAAGGTCG
984082	TGTGCAGCTTCACGAGCCAGCCTGA	TTCAGGCTGGCTCGTGAAGCTGCAC
994083	TCGCTTTCGTGCGAATAGACGATGA	TTTCATCGTCTATTCGCACGAAAGCG
1004084	TTGCGCTTACAGGCTCCTAGTGGTC	TGACCACTAGGAGCCTGTAAGCGCA
1014085	TCACGCGCTTAGTCGCGATCGCATA	TTATGCGATCGCGACTAAGCGCGTG
1024086	TCGGAGGGAGGGAGCTAGCCTTCGA	TTTGAAGGCTAGCTCCCTCCCTCCG
1034087	TGCATCCGGCCTGTTGATGACGCCT	TAGGCGTCATCAACAGGCCGATGC
1044088	TAGGCCAATCGATCTTATTGCCGAG	TCTCGGCAATAAGATCGATTGGCCT
1054089	TCCTTCCAATGATTGCATACGCCCA	TTGGGCGTATGCAATCATTGGAAGG
1064090	TAACACTTGATCAGGCGGGTCGTCT	TAGACGACCCGCCTGATCAAGTGTT
1074091	TTGGAATCAAGGCCGTAAAGGACAG	TCTGTCCTTTACGGCCTTGATTCCA
1084092	TGCTCCCGTAACCTGTCCACCAGTG	TCACTGGTGGACAGGTTACGGGAGC
1094093	TAGTGGTGAATGGCCGCTACCCTGA	TTTCAGGGTAGCGGCCATTCACTACT
1104094	TTGTTGAAGCGAGCTAAAACGGCCA	TTGGCCGTTTTAGCTCGCTTCAACA
1114095	TCAGCGCTCCAGAATTGACAGCAAT	TATTGCTGTCAATTCTGGAGCGCTG
4096 2	TTTTCGAAGCGCACGTCCCTTTTCAA	TTTGAAAAGGGACGTGCGCTTCGAA
4097 3	TAACGCGTGGGGAATGGGACATCAA	TTTGATGTCCCATTCCCCACGCGTT
1144098	TCACGAGATACGGCGCTAAGGGTGG	TCCACCCTTACGCCGGTATCTCGTG
1154099	TCTACGGCAAACGTGTGGAATGGGT	TACCCATTCCACACGTTTGCCGTAG
1164100	TGTAGGGCGATGACGGGCGAACTAC	TGTAGTTGCGCCGTCATCGCCCTAC
1174101	TAATCGACCTCCGCACACATTCGCA	TTGCGAATGTGTGCGGAGGTCGATT
1184102	TGAGTCAGCATGGCGGCGGAGATTG	TGAATCTCCGCCGCCATGCTGACTC
1194103	TAGATAAAGACGCTGGCAACACGGG	TCCCGTGTTGCCAGCGTCTTTATCT
1204104	TGGTACCTCAACGCGAACCACCTTGT	TACAAGTGGTTCGCGTTGAGGTACC
1214105	TAAGCGATGGCTACCCAAGAGCGAT	TATCGCTCTTGGGTAGCCATCGCTT
1224106	TAGAGCTTATGAGAACCAGGCGCC	TGGCGCCTGGTTCTGCATAAGCTCT
1234107	TATCGGTCTCACGCAGGGTTGGATA	TTATCCAACCCTGCGTGAGACCGAT
1244108	TTAGGTTGCCC GCCAGAAGAAACAT	TATGTTTCTTCTGGCGGGCAACCTA

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4254109	TCGGTGCTGTTGCAAAAGCCTGTAG	TCTACAGGCTTTTGCAACAGCACCG
4264110	TTGATGAAAGTTTGCGGCAGGACAC	TGTGTCCTGCCGCAAACCTTTCATCA
4274111	TGTTGAGTGCAGGATGCAGCGATAG	TCTATCGCTGCATCCTGCACTCAAC
4284112	TAACATTGCGCGGTCCACCAGGGTT	TAACCCTGGTGGACCGCGCAATGTT
4294113	TGGGCAGTTAGAGAGGGCCAGAAGT	TACTTCTGGCCCTCTCTAACTGCCC
4304114	TTGAGCTGGTCCCCGTGAACGTGT	TACACGTTACGGGGACCAGCTCGA
4314115	TGTCTTGGGGGCCGCTTAGTGAAAA	TTTTTCACTAAGCGGCCCCCAAGAC
4324116	TACTGTTGGCTTGCTCTCATGTCCA	TTGGACATGAGAGCAAGCCAACAGT
4334117	TAGGACCATTGGAAGGCGAAGATA	TTATCTTCGCCCTCCGAATGGTCCT
4344118	TCTTGGGAGGCATCCGCTATAAGGA	TTCTTATAGCGGATGCCTCCCAAG
4354119	TAATAAACGGAACGCACCGCTACAG	TCTGTAGCGGTGCGTTCCGTTTATT
4364120	TTTGTACGTGCGGTCCCCATAAGCA	TTGCTTATGGGGACCGCACGTACAA
4374121	TCGCACCAAACCTGAGTTTCCAGAC	TGTCTGGGAAACTCAGTTTGGTGCG
4384122	TACCTGATCGTTCCCCTATTGGGAA	TTTCCCAATAGGGGAACGATCAGGT
4394123	TGGAACAGAGGCGAGGGGACTGAGC	TGCTCAGTCCCCTCGCCTCTGTTCC
4404124	TCCCTGCCTTGCGGTGTGCGCTTAT	TATAAGCCGACACGCCAAGGCAGGG
4414125	TACTCTGACACGCCAACTCCGGAAG	TCTTCCGGAGTTGGCGTGTGAGAGT
4424126	TCTGACGGTTTTTCATTGCGCGTGCC	TGGCACGCCGAATGAAAACCGTCAG
4434127	TTGCGGTGGTTCATTGGAGCTGGCC	TGGCCAGCTCCAATGAACCACCGCA
4444128	TGCATGGCCAACTAGTGACTCGCAA	TTTGCGAGTCACTAGTTGGCCATGC
4454129	TAGGCCGTAAAGCGAATCTCACCTG	TCAGGTGAGATTGCTTTACGGCCT
4464130	TCGAATATTATGCCGAGAATCCGCG	TCGCGGATTCTCGGCATAATATTCG
4474131	TACAGACGAGCTCCCAACCACATGA	TTGATGTGGTTGGGAGCTCGTCTGT
4484132	TGGACGGTTTTGTGCTGGATTGTCTG	TCAGACAATCCAGCACAAACCGTCC
4494133	TAAAGGCTATTGAGTTGGTTGGGCG	TCGCCCCAACCAACTCAATAGCCTTT
4504134	TGATGGCCTATTGCGAGATCGGGCC	TGGCCCGATCTCCGAATAGGCCATC
4514135	TGATCCAGTAGGCAGCTTCATCCCA	TTGGGATGAAGCTGCCTACTGGATC
4524136	TAATAACTCGCGCGGGTATGCTTCT	TAGAAGCATACCCGCGCGAGTTATT
4534137	TGGAGGAGGTTTGTCTCGGAAAGCA	TTGCTTCCGAGACAAACCTCCTCC
4544138	TCCTTGGTATGGCACATGCTGCCCG	TCGGGCAGCATGTGCCATACCAAAG
4554139	TAGAAAGGCTCGAGCAACGGGAAC	TAGTTCCCGTTGCTCGAGCCTTTCT
4564140	TAATCTACCGCACTGGTCCGCAAGT	TACTTGCGGACCAGTGCGGTAGATT
4574141	TCGTGGCGGCCACAGTTTTTGGAGG	TCCTCCAAAACCTGTGGCCGCCACG
4584142	TTTGCAGTTCAATCCATACGCACGT	TACGTGCGTATGGATTGAACTGCAA
4594143	TGGCCCAAAGCCCCAGACCATTTTA	TTAAAATGGTCTGGGGCTTTGGGCC
4604144	TCGCCTGTCTTTGTCTCCGGACAAT	TATTGTCCGGAGACAAAGACAGGCG
4614145	TTGAGGCAACAGGGGCCAAAACTA	TTAGTTTTTGGCCCTGTTGCCTCA
4624146	TAGCGGAAGTAGTCCTCGGCTCGTC	TGACGAGCCGAGGACTACTTCCGCT

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4634147	TGGCCCCAAGGCTTAGAGATAGTGG	TCCACTATCTCTAAGCCTTGGGGCC
4644148	TGCACGTGAAGTTTAACCGCGATTG	TGAATCGCGGTTAACTTCACGTGC
4654149	TAGCGGCAGAAACGTTCTTGACGG	TCCGTCAAGGAACGTTTCTGCCGCT
4664150	TTCGTGAGCAGACGAGATTGCACG	TCGTGCAATCTCGTCTGCTCGACGA
4674151	TTCTTTGCCGCGTAACTGACTGCTT	TAAGCAGTCAGTTACGCGGCAAAGA
4684152	TTTTATGTGCCAAGGGGTTAACCGA	TTCGGTTAACCCCTTGGCACATAAA
4694153	TTGTTACTGTGGTTCACGGCAGTCC	TGGACTGCCGTGAACCACAGTAACA
4704154	TCGCGCCTCGCTAGACCTTTATTG	TCAATAAAAGGTCTAGCGAGGCGCG
4714155	TACAAATGCGTGAGAGCTCCCAACT	TAGTTGGGAGCTCTCACGCATTTGT
4724156	TCGCGCAGATTATAGACCCGAATGT	TACATTCGGGTCTATAATCTGCGCG
4734157	TCAAATAACGCCGCTGAATCGGCGT	TACGCCGATTACGCGGCGTTATTTG
4744158	TCCTTCGTGCATCGGTGATGATGTT	TAACATCATCACCGATGCACGAAGG
4754159	TTGAACACGAGCAACACTCCAACGC	TGCGTTGGAGTGTTGCTCGTGTTCA
4764160	TCAGCAGATCCTTCGTAGCGGTCGT	TACGACCGCTACGAAGGATCTGCTG
4774161	TGGAACCTGGTGAGTTGTGCCTCAT	TATGAGGCACAACCTCACCAGGTTCC
4784162	TTCATAAGCGACAATCGCGGGCTTA	TTAAGCCCGCGATTGTCGCTTATGA
4794163	TCCCAACGTCACTGAAGCTCACAGT	TACTGTGAGCTTCAGTGACGTTGGG
4804164	TTGTGAGAGCCCGCGACTCAGACGG	TCCGTCTGAGTCGCGGGCTCTGACA
4814165	TTACACGAAGCCTCTCCGTGGTCCA	TTGGACCACGGAGAGGCTTCGTGTA
4824166	TCTCAGAAGTCCTCGGCGAACTGGG	TCCCAGTTCGCCGAGGACTTCTGAG
4834167	TATCCTTTTATCTACTCCGCGGCGA	TTCGCCGCGGAGTAGATAAAAGGAT
4844168	TAGGCGTGACGCAACAGGATAAACC	TGGTTTATCCTGTTGCTGCACGCCT
4854169	TACTCTCGAGGGAGTCTCTGGCACA	TTGTGCCAGAGACTCCCTCGAGAGT
4864170	TTTGCCAGGTCCATCGAGACCTGTT	TAACAGGTCTCGATGGACCTGGCAA
4874171	TTCCACTATAACTGCGGGTCCGTGT	TACACGGACCCGCGAGTTATAGTGGA
4884172	TGCCCAGTCGGCTCTAACAAGTTG	TCGAACTTGTTAGAGCCGACTGGGC
4894173	TCGGAACGGATAATCGGCGTCAGGT	TACCTGACGCCGATTATCCGTTCCG
4904174	TTAAAATAAGCGCCTGGCGGGAGGA	TTCTCCCGCCAGGCGCTTATTTTA
4914175	TGCGCACTCGTGAAACCTTTCTCGC	TGCGAGAAAGGTTTCACGAGTGCGC
4924176	TAGTTTGCCAGGTACTGGCAAGTGC	TGCACTTGCCAGTACCTGGCAAACCT
4934177	TACAACGAGGGATGTCCAGCGGCAT	TATGCCGCTGGACATCCCTCGTTGT
4944178	TTTCGCAGCACCCGCTAGGTACAGT	TACTGTACCTAGCGGGTGCTGCGAA
4954179	TTAACCCGATTTTTCGCACTCTGCC	TGGCAGAGTCGCAAAAATCGGGTTA
4964180	TCGTGCGATTGCAAGCGTAGGCTTG	TCAAGCCTACGCTTGCAATGCGACG
4974181	TGAGCTGACGTCACCATCAGAGGAA	TTTCCTCTGATGGTGACGTCAGCTC
4984182	TGGAGGCTGGGGGTCGCGCTTAAGT	TACTTAAGCGCGACCCCGAGCCTCC
4994183	TTTGTGGGAACCGCACTAGCTGGCT	TAGCCAGCTAGTGCGGTTCCACAA
2004184	TCCCTCGCACTGTGTTACCCCTCTT	TAAGAGGGTGAACACAGTGCGAGGG

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2044/185	TTCATTGACTCGAATCCGCACAACG	TCGTTGTGCGGATTTCGAGTCAATGA
2024/186	TACAGGGGTTGGCCTTCGTACGTAC	TGTACGTACGAAGGCCAACCCCTGT
2034/187	TAGGCCGTGCAACATCACACAGGAT	TATCCTGTGTGATGTTGCACGGCCT
2044/188	TGGGCCGTGGTCACGTAATATTGGC	TGCCAATATTACGTGACCACGGCCC
2054/189	TGCGCGGACATGAAACGACAAGGCC	TGGCCTTGTCGTTTCATGTCCGCGC
2064/190	TCTTATTGGGTGCCGGTGTGCGATT	TAATCCGACACCGGCACCCAATAAG
2074/191	TGGGGCGGTTACCAAAAAATCCGAT	TATCGGATTTTTTGGTAACCGCCCC
4192 4	TCCGTCGCATACCGGCTACGATCAA	TTTGATCGTAGCCGGTATGCGACGG
4193 5	TATGGCCGTGCTGGGGACAAGTCAA	TTTGACTTGTCGCCAGCACGGCCAT
2104/194	TACGAAAAAGTGTGCGGATCCCT	TAGGGGATCCGCACACTTTTTTCGT
2114/195	TCCAAGTACACCGCACGCATGTTTA	TTAAACATGCGTGCGGTGTACTTGG
2124/196	TATCGTGCGTGAGTGTGCGCATCTA	TTAGATGCGACACTCCACGCACGAT
2134/197	TTCCAGATACCGCCCCGAACTTTGA	TTCAAAGTTCGGGGCGGTATCTGGA
2144/198	TTCTGCTGGCAGCACGTGAAGTGGC	TGCCACTTCACGTGCTGCCAGCAGA
2154/199	TTTGAAATTGCTCTGCCGTCAGTCA	TTGACTGACGGCAGAGCAATTTCAA
2164/200	TAGTCAGGCGAGATGTTCAAGCAGC	TGCTGCCTGAACATCTCGCCTGACT
2174/201	TACAAGCCGACGTTAAGCCCGCCCA	TTGGGCGGGCTTAACGTGCGCTTGT
2184/202	TCCCTAATGAGGCCAGTAACCTGCA	TTGCAGGTTACTGGCCTCATTAGGG
2194/203	TGTGAGACACACATCCCCTCCAATG	TCATTGGAGGGGATGTGTGTCTCAC
2204/204	TCGACGGATGCAGAGTTCAGTGGTC	TGACCACTGAACTCTGCATCCGTCG
2214/205	TCCCGCATGCCTGGCGGTATTACAA	TTTGTAATACCGCCAGGCATGCGGG
2224/206	TTTAGCAAAGCGGCGCCGTTAGCAA	TTTGCTAACGGCGCCGCTTTGCTAA
2234/207	TCCCGACACGGGTCAGCGTAATAAT	TATTATTACGCTGACCCGTGTCGGG
2244/208	TGCGACGGCCCTGAGGTATGTCGTC	TGACGACATACCTCAGGGCCGTGCGC
2254/209	TCAAAGTGTGTTCCCTTGCGCTTG	TCAAGCGCAAGGGAACACACTTTTG
2264/210	TTCTCGAAGCACAGCCCGGTTATTG	TCAATAACCGGGCTGTGCTTCGAGA
2274/211	TATGCTAACC GTTGGCCATGGAAC	TAGTTCCATGGCCAACGGTTAGCAT
2284/212	TCTTGCGGAGTGTTAGCCAGCGGT	TACCGCTGGGCTAACACTCCGCAAG
2294/213	TTGCTCCCTAGGCGCTCGGAGGAGT	TACTCCTCCGAGCGCCTAGGGAGCA
2304/214	TCCAATGCCTTTGAGTAAGCGATGG	TCCATCGCTTACTCAAAGGCATTGG
2314/215	TAGCAGATAACGTCCCAATGACGCC	TGGCGTCATTGGGACGTTATCTGCT
2324/216	TTTGACCATTACGTGTTGCGCCCAT	TATGGGCGCAACACGTAATGGTCAA
2334/217	TTGCGGTATTTGCGGAATTCGTCTG	TCAGACGAATTCGCAAAATACGCGA
2344/218	TCTGCGTGTCAACAATGTCCCGCAG	TCTGCGGGACATTGTTGACACGCAG
2354/219	TTCTGGTGCCACGCAAGGTCCACAG	TCTGTGGACCTTGCGTGGCACCAGA
2364/220	TCTCCGGGAGGTCACCTAATTGCGG	TCCGCAATTAAGTGACCTCCCGGAG
2374/221	TTTTTCGTGATTGCCCGGAGGAGGC	TGCCTCCTCCGGGCAATCACGAAAA
2384/222	TTGCGGATGTAGCTGGGGCTACCGG	TCCGGTAGCCCCAGCTACATCCCGA

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239/223	TCGAGCCAACGCAAACACGTCCTTG	TCAAGGACGTGTTTGC GTTGGCTCG
240/224	TGCAAAGCCTTTGTGGGGCGGTAGT	TACTACCGCCCCACAAAGGCTTTGC
241/225	TATTCGACCGGAAATGAGGTCTTCG	TCGAAGACCTCATTTCGGTCTGAAT
242/226	TTTCGCTTGCTGAGTTGCTCTGTTC	TGAACAGAGCAACTCAGCAAGCGAA
243/227	TCGCGTGAAGACCCCATTCGCCGAGT	TACTCGGGAATGGGGTCTTCACGCG
244/228	TAACCGTATTCGCGGTCACTTGTGG	TCCACAAGTGACCGCGAATACGGTT
245/229	TGGGGCCAACCGTTTCGAGGCGTAT	TATACGCCTCGAAACGGTTGGCCCC
246/230	TTTCGGCTGGCAGTCCAAACGGCTT	TAAGCCGTTTGGACTGCCAGCCGAA
247/231	TGGGTGTGGTTAGAATGCACGGTTC	TGAACCGTGCATTCTAACCACACCC
248/232	TGCGAGGACCGAACTAGACAAACGG	TCCGTTTGTCTAGTTTCGGTCTCTCGC
249/233	TACGCACGCGTGACCGAAGTTGCTG	TCAGCAACTTCGGTCACGCGTGC GT
250/234	TTAAAAGGTCGCTTTGAAAGGGGGA	TTCCCCCTTTCAAAGCGACCTTTTA
251/235	TTGCGATCGCTAACTGCTGGGACAA	TTTGTCCCAGCAGTTAGCGATCGCA
252/236	TGGAGGTATAAGCGGAGCGGCCTCA	TTGAGGCCGCTCCGCTTATACCTCC
253/237	TATGCTGACATGTCGTGCACCTCGT	TACGAGGTGCACGACATGTCAGCAT
254/238	TTGTGGTTAAAGCGTCCGTTCAACG	TCGTTGAACGGACGCTTTAACCACA
255/239	TCGTTACACCCGGCGTAAGCTGCGT	TACGCAGCTTACGCCGGTGTGAACG
256/240	TCCTATCCCGGCGAGAACTTCTGTG	TCACAGAAGTTCTCGCCGGGATAGG
257/241	TGTCTGCACTCACGCAGCGGAGGGA	TTCCCTCCGCTGCGTGAGTGACAGC
258/242	TGCACGAGTTGGTGCTCGGCAGATT	TAATCTGCCGAGCACCAACTCGTGC
259/243	TAACGTCGCACGACACACGTTTCGTC	TGACGAACGTGTGTCTGTCGACGTT
260/244	TATGCGCGCTTATCCTAGCATGGTC	TGACCATGCTAGGATAAGCGCGCAT
261/245	TTACGTTTTTCGTCTCGACATGAGG	TCCTCATGTGAGACGAAAACGTGA
262/246	TTGTGCCTCATCCTTAGGATACGGC	TGCCGTATCCTAAGGATGAGGCACA
263/247	TAGGTGGTGTGGGTCAACCGCTTTA	TTAAAGCGGTTGACCCACACCACCT
264/248	TCTGGATCGAAGGGACTGCAAGCTC	TGAGCTTGACAGTCCCTTCGATCCAG
265/249	TTAGATCAACTCGCGTACGCATGGA	TTCCATGCGTACGCGAGTTGATCTA
266/250	TGATCCTGCGGAGAAGAGAGTGACG	TCTGCACTCTCTTCTCCGCAGGATC
267/251	TTACGTGTGGAGATGCCCCGAACCG	TCGGTTCCGGGGCATCTCCACACGTA
268/252	TGCGCTATGTCAATCGTGGGCGTAG	TCTACGCCCACGATTGACATAGCGC
269/253	TAGCGAGGTTTCTAGCGTCGACACC	TGGTGTGACGCTAGAAACCTCGCT
270/254	TACCCAGGTTTTGCCGTTGTGGAAT	TATTCCACAACGGCAAACCTGGGT
271/255	TCCCTGTTAACGGCTGCGTAGTCTC	TGAGACTACGCAGCCGTTAACAGGG
272/256	TAGGCCGATTTACCCGCCAATTGC	TGCAATTGGCGGGTGAAATCGGCCT
273/257	TGAGCCCTCACTCCTTGCCCTTTGA	TTCAAAGGGCAAGGAGTGAGGGCTC
274/258	TGGGTGGACATCCGCCTCGCAGTCA	TTGACTGCGAGGCGGATGTCCACCC
275/259	TGATGGCTGAGAACCGTGCTACGAT	TATCGTAGCACGGTTCTCAGCCATC
276/260	TTGACGTTAGGAGTGCTGCCAGAA	TTTCTGGCAGCACTCCTAACGTCTGA

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2774261	TCGAATGGGTCTGGACCTTGCATAG	TCTATGCAAGGTCCAGACCCATTGCG
2784262	TGTGCACCAGACATTCGAACTCGGA	TTCCGAGTTCGAATGTCTGGTGCAC
2794263	TAGAGGCCCGTATATCCCATCCAT	TATGGATGGGATATACGGGGCCTCT
2804264	TAACGCCTGTTTCAGAGCATCAGCGG	TCCGCTGATGCTCTGAACAGGCGTT
2814265	TAAGGCTCAACACGCCTATGTGCGC	TGCGCACATAGGCGTGTGAGCCTT
2824266	TAGTCCGTGTTGCCAGATTGGCTCG	TCGAGCCAATCTGGCAACACGGACT
2834267	TATGTCCCATGTAAAGACGCGTGTG	TCACACGCGTCTTTACATGGGACAT
2844268	TATGGAGTCTGCTCACGCCCAAAGG	TCCTTTGGGCGTGAGCAGACTCCAT
2854269	TCGGCCTCCAACAAGGAGCACTAAC	TGTTAGTGCTCCTTGTGGAGGCCG
2864270	TCAGAGCCGTGGCAACATTGCGAGC	TGCTCGCAATGTTGCCACGGCTCTG
2874271	TTCATTTGAATGAGGTGCGCACCGG	TCCGGTGCGCACCTCATTCAAATGA
2884272	TGACGTACCGGAAGCGCCGTATAAA	TTTTATACGGCGCTTCCGGTACGTC
2894273	TATGCGAGCAATGGGATCCGGATTTC	TGAATCCGGATCCCATTGCTCGCAT
2904274	TAGAGTGAGGCCTCCCTGACCAAGTG	TCAGTGGTCAGGGAGGCCTCACTCT
2914275	TCGCACCGTAAGTAGATTTGCCCGC	TGCGGGCAAATCTACTTACGGTGCG
2924276	TTGAACCTTTGAGCACGTCGTGCGC	TGCGCACGACGTGCTCAAAGGTTCA
2934277	TTCCGCCTTTTTGGTTACCTCGAAG	TCTTCGAGGTAACCAAAAAGGCGGA
2944278	TGAACGCCAACGGCACTAACACATC	TGATGTGTTAGTGCCGTTGGCGTTC
2954279	TCCGACAGCAGCCAAGACGTCCCAG	TCTGGGACGTCTTGGCTGCTGTCGG
2964280	TCATAAAAAACCTGGGGCTCTGCG	TCGCAGAGCCCCAGGTTTTTTATG
2974281	TTGCCAACTGTGCAGACCGGACTTA	TTAAGTCCGGTCTGCACAGTTGGCA
2984282	TGGCGAAAGAGCGAAACCGGCTCGT	TACGAGCCGGTTTCGCTCTTCGCC
2994283	TGGGATGCGTATTTTAGCGAACACG	TCGTGTTGCTAAAATACGCATCCC
3004284	TTGGGATTACGCGACCAAGTACGCGA	TTCCGCTACTGGTCTGCTGAATCCCA
3014285	TCCCGATATTCGCCCGGCCTATTGCG	TCCAATAGGCCGGGCGAATATCGGG
3024286	TCGAGAAGATGCCTCACGCAACCAA	TTTGGTTGCGTGAGGCATCTTCTCG
3034287	TAACCTTGACCCGTGGATGACGCTA	TTAGCGTCATCCACGGGTCAAGGTT
4288 6	TTTGCAACGGGCTGGTCAACGTCAA	TTTGACGTTGACCAGCCCGTTGCAA
4289 7	TCGCATAGTTGCCGATTTGCTCAA	TTTGACGAAATCGGCAACCTATGCG
3064290	TGCTTCCGGATGAACGGGATGGTTG	TCAACCATCCCGTTCATCCGGAAGC
3074291	TCCCTCCATGTTCTTCGAACGGTTT	TAAACCGTTTGAAGAATATGGAGGG
3084292	TTTGATGGGCGGCAATGCTCTTGCT	TAGCAAGAGCATTGCCGCCCATCAA
3094293	TATTGTGAGATGCGCCAAATTCCCC	TGGGGAATTTGGCGCATCTCACAAT
3104294	TTCAGCACAGCCAGACGGTCAACTT	TAAGTTGACCGTCTGGCTGTGCTGA
3114295	TACTCCACTCCTCGGTGGCAAACCTA	TTAGTTTGCCACCGAGGAGTGAGT
3124296	TTCTGGGCATGCCTGGACGGAGACG	TCGTCTCCGTCCAGGCATGCCCAGA
3134297	TTCTCAACTCCGGTACGACGAAACA	TTGTTTCGTGCTACCGGAGTTGAGA
3144298	TTTGCGTGGTCAAAGGCGCAACGTG	TCACGTTGCGCCTTTGACCACGCAA

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3154/299	TAGACAGCGATCCGCGGCTCATGAT	TATCATGAGCCGCGGATCGCTGTCT
3164/300	TCGCGTCTCTAACTGAGAGCAGCCA	TTGGCTGCTCTCAGTTAGAGACGCG
3174/301	TAGGCGCACATGTACGGACATTCAG	TCTGAATGTCCGTACATGTGCGCCT
3184/302	TGATGAGTGGCACGTCGGTGTGTAA	TTTACACACCGACGTGCCACTCATC
3194/303	TTGATCCATATTGTCTGGACGTTGCG	TCGCAACGTCCGACAATATGGATCA
3204/304	TACCTGCCGGGAGTTCATAGGCTAG	TCTAGCCTATGAACTCCCGGCAGGT
3214/305	TAGCATTGGCGTTTTTCCGCAACGA	TTCGTTGCGGAAAAACGCCAATGCT
3224/306	TGGTAATATTCAGCGCGACCGCTCA	TTGAGCGGTCGCGCTGAATATTACC
3234/307	TATAGCGTACGACGAGGTGACGCGC	TGCGCGTCACCTCGTCGTACGCTAT
3244/308	TTAGGTCACGATGCGTTTGACGCTA	TTAGCGTCAAACGCATCGTGACCTA
3254/309	TACTGCCCGTACCTCTGGTTCTGGC	TGCCAGAACCAGAGGTACGGGCAGT
3264/310	TCCTTTGGCCTGAAGTTGTCGTAGC	TGCTACGACAACCTTCAGGCCAAAGG
3274/311	TGTGCCCCACGAGCGTATCGTTGTA	TTACAACGATACGCTCGTGGGGCAC
3284/312	TAGGCGCTACGTGGGCCTGGAGCAA	TTTGCTCCAGGCCACGTAGCGCCT
3294/313	TGGGTGCTACCATTGCATTAGTCCG	TCGGACTAATGCAATGGTAGCACCC
3304/314	TACCACGCGCGTACGTGTAACCGAG	TCTCGGTTACACGTACGCGCGTGGT
3314/315	TCCATGATGCATTGGGTGCATTTAG	TCTAAATGCACCCAATGCATCATGG
3324/316	TGGTCCGGCCCTACGAAACGTTCTGA	TTCTGAACGTTTTCTAGGGCCGGACC
3334/317	TCCGTGTGGCTGGAGATTCTGTGTA	TTACACACGAATCTCCAGCCACACGG
3344/318	TGTTAGGGCGACGCATATTGGCACA	TTGTGCCAATATGCGTCGCCCTAAC
3354/319	TGGGTCAGTCAGGTGCGTTAGGATC	TGATCCTAACGCACCTGACTGACCC
3364/320	TGCCGTGAAGTCGAATGCAGATCGA	TTCGATCTGCATTGCACTTCACGGC
3374/321	TGCCACCACCCAGTGCATTCAGGTA	TTACCTGAATGCACTGGGTGGTGCG
3384/322	TGAGCTTAGTTTGCGGTCATCGGGC	TGCCCCGATGACCGCAAACCTAAGCTC
3394/323	TTGTTTGCCGCCATTAGGGAGTAAC	TGTTACTCCCTAATGGCGGCAAACA
3404/324	TGCTCCGCTGGATGTGCCGGTTTAG	TCTAAACCGGCACATCCAGCGGAGC
3414/325	TCGGTAGCATGCGAGATCCCTGTTA	TTAACAGGGATCTCGCATGCTACCG
3424/326	TCTACGCTCTACCAGTTGCCTGCGA	TTTCGCAGGCAACTGGTAGAGCGTAG
3434/327	TGTGCCTCCTGCTGTATTTGCCAAG	TCTTGGCAAATACAGCAGGAGGCAC
3444/328	TTTGCGACTCGACTTGGACGAGTAG	TCTACTCGTCCAAGTCGAGTCGCAA
3454/329	TTCTGGGAGCTGTTTACTCCAGCCA	TTGGCTGGAGTAAACAGCTCCCAGA
3464/330	TTGCACGCGGAACTCCCTTTACCAT	TATGGTAAAGGGAGTTCCGCGTGCA
3474/331	TTGGCAGCAAATGAATCGAAAGCAC	TGTGCTTTTCGATTCAATTGCTGCCA
3484/332	TAAGTGGTGACGCGGTACAGCGAAG	TCTTCGCTGTACCGCGTCACCAGTT
3494/333	TAGACGATTACGCTGGACGCCGTCG	TCGACGGCGTCCAGCGTAATCGTCT
3504/334	TATGCCCTCCTTCATGGAAAGGGTT	TAACCCTTTCCATGAAGGAGGGCAT
3514/335	TATTCTCGGAGCGTATGCGCCAGAA	TTTCTGGCGCATACGCTCCGAGAAT
3524/336	TATAGCGGAGTTTGGGTACGCGAAC	TGTTTCGCGTACCCAAACTCCGCTAT

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353/337	TACCTACGCATACCGCTTGGCGAGG	TCCTCGCCAAGCGGTATGCGTAGGT
354/338	TGATTACCTGAATGGCCAAGCGAGC	TGCTCGCTTGGCCATTGAGGTAATC
355/339	TCCTGTTAGCATCACGGCGCTTAGG	TCCTAAGCGCCGTGATGCTAACAGG
356/340	TCGGAATGATGCGCTCGACAACGCT	TAGCGTTGTCGAGCGCATCATTCCG
357/341	TTGAGAGAGGCGTTGGTTAAGGCAA	TTTGCCTTAACCAACGCCTCTCTCA
358/342	TAAGCAGGCGAAGGGATACTCCTCG	TCGAGGAGTATCCCTTCGCCTGCTT
359/343	TTCACGACAGACGGGCCGAGATTAC	TGTAATCTCGGCCCGTCTGTCTGTA
360/344	TAAGCAATTTGGCCTCGTTTTGTGA	TTACAAAAACGAGGCCAAATTGCTT
361/345	TGCTGGTTGCGGTAGGATCGCATAT	TATATGCGATCCTACCGCAACCAGC
362/346	TTTGTGAATCCGTTCTGTCCCCGAC	TGTCGGGGACAGAACGGATTACAA
363/347	TTGGGCTCCTCTGAGGCGAGATGGC	TGCCATCTCGCCTCAGAGGAGCCCA
364/348	TGGATAGAGTGAATCGACCGGCAAC	TGTTGCCGGTCGATTCACTCTATCC
365/349	TTGCACCGAACGTGCACGAGTAATT	TAATTACTCGTGACGTTCCGGTGCA
366/350	TGCCAGTATTCTCGGGTGTTGGACG	TCGTCCAACACCCGAGAATACTGGC
367/351	TTCGCTACCTAAGACCGGGCCATAC	TGTATGGCCCGGTCTTAGGTAGCGA
368/352	TTGGCATTGACGAGCAGCAGTCAGT	TACTGACTGCTGCTCGTCAATGCCA
369/353	TCGCGTCCCAGCGCCCTTGGAGTAT	TATACTCCAAGGGCGCTGGGACGCG
370/354	TATGAAGCCTACCGGGCGACTTCGT	TACGAAGTCGCCCCGGTAGGCTTCAT
371/355	TCCAGACAGATGGCCTGGAACCATG	TCATGGTTCCAGGCCATCTGTCTGG
372/356	TTGGCGTGCGGACCATCTCAAAGCTA	TTAGCTTTGAGATGGTCCCACGCCA
373/357	TCCGCATGGGAACACGTGTCAAGGT	TACCTTGACACGTGTTCCCATGCGG
374/358	TGCCCACCTCGTCAGCTGGACGTAAT	TATTACGTCCAGCTGACGAGTGGGC
375/359	TATTACGGTCGTGATCCAGAAAGCG	TCGCTTTCTGGATCACGACCGTAAT
376/360	TTGCGAGGTGAGCACCTACGAGAGA	TTCTCTCGTAGGTGCTCACCTCGCA
377/361	TGGGCCGCAATTCTTGATGTCCATTC	TGAATGGACATCAAGAATGCGGCC
378/362	TCCTCGGATGTGGGCTCTCGCCTAG	TCTAGGCGAGAGCCCACATCCGAGG
379/363	TTAGGCATGTTGGCGTGAGCGCTAT	TATAGCGCTCACGCCAACATGCCTA
380/364	TCGATACGAACGAGGATGTCCGCCT	TAGGCGGACATCCTCGTTCGTATCG
381/365	TTACGCCGGTTAGCACGGTGCGCTA	TTAGCGCACCGTGCTAACCGGCGTA
382/366	TCATACGATGTCCGGGGCCGTGTGCG	TGCGACACGGCCCCGGACATCGTATG
383/367	TATCCGCAGTTGTATGGCGCGTTAT	TATAACGCGCCATACAACCTGCGGAT
384/368	TGGGTAAGGGACAAAGATGGGATGG	TCCATCCCATCTTTGTCCCTTACCC
385/369	TATTGGAGTGTGTTTGGTGAATCCGC	TGCGGATTACCAAAAACACTCCAAT
386/370	TGAACCGAGCCAACGTATGGACACG	TCGTGTCCATACGTTGGCTCGGTTC
387/371	TGCCGTCAAGCTTAAGGTTTTGGGC	TGCCCCAAAACCTTAAGCTTGACGGC
388/372	TACCTGCTTTTGGGTGGGTGATATG	TCATATCACCCACCCAAAAGCAGGT
389/373	TAATCGTGGGCGCAGCAAACGTATA	TTATACGTTTGCTGCGCCACGATT
390/374	TGTCGCCGGATTGCTCAGTATAAGC	TGCTTATACTGAGCAATCCGGCGAC

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394/375	TACCCGTCGATGCTTCCTCCTCAGA	TTCTGAGGAGGAAGCATCGACGGGT
392/376	TATCCGGGTGGGCGATACAAGAGAT	TATCTCTTGTATCGCCCACCCGGAT
393/377	TTTCCGCATGAGTCAGCTTTGAAAA	TTTTTCAAAGCTGACTCATGCGGAA
394/378	TGCAAAGTCCCACTGGCAAGCCGAT	TATCGGCTTGCCAGTGGGACTTTGC
395/379	TCGACCTCGGCTTCATCGTACACAT	TATGTGTACGATGAAGCCGAGGTCTG
396/380	TCTCATGAGCGCAGTTGTGCGTGAG	TCTCACGCACAACCTGCGCTCATGAG
397/381	TCAGATGAAGGATCCACGGCCGGAG	TCTCCGGCCGTGGATCCTTCATCTG
398/382	TTCAAAGGCTCTTGGATACAGCCGT	TACGGCTGTATCCAAGAGCCTTTGA
399/383	TTCCGCTAATTTCCAATCAGGGCTC	TGAGCCCTGATTGGAAATTAGCGGA
4384 8	TCCGTTTGCGGTGCTCCTTGCTCAA	TTTGAGCAAGGACGACCGCAAACGG
4385 9	TTTCGCTTTCGTGGCTGCACTTCAA	TTTGAAGTGCAGCCACGAAAGCGAA
402/386	TCTTAGTTGGGGCGCGGTATCCAGA	TTCTGGATACCGCGCCCACTAAG
403/387	TGCTCTAATGCCGTGGAGTCGGAAC	TGTTCCGACTCCACGGCATTAGAGC
404/388	TCCGATTACAAATTGACTGACCGCA	TTGCGGTCAGTCAATTTGTAATCGG
405/389	TAGACGTACGTGAGCCTCCCGTGTC	TGACACGGGAGGCTCACGTACGTCT
406/390	TAATGGAGCGATACGATCCAACGCA	TTGCGTTGGATCGTATCGCTCCATT
407/391	TGGAGGCGCTGTACTGATAGGCGTA	TTACGCCTATCAGTACAGCGCCTCC
408/392	TTGTTTTTGAATTGACCACACGGGA	TTCCCGTGTGGTCAATTCAAAAACA
409/393	TCATGTCTGGATGCGCTCAATGAAG	TCTTCATTGAGCGCATCCAGACATG
410/394	TGCCCCGCTAATCCGACACCCAGTTT	TAAACTGGGTGTCTGGATTAGCGGGC
411/395	TCCATTGACAGGAGAGCCATGAGCC	TGGCTCATGGCTCTCCTGTCAATGG
412/396	TGAATCACCGAATCACCGACTCGTT	TAACGAGTCGGTGATTCCGGTGATTC
413/397	TAACCAGCCGCGAGTAGCTTACGTCTG	TCGACGTAAGCTACTGCGGCTGGTT
414/398	TTTTTCTGAGGGACACGCGGGCGTT	TAACGCCCCGCGTGTCCCTCAGAAAA
415/399	TGGTGCTCCGTTTGATCGATCCTCC	TGGAGGATCGATCAAACGGAGCACC
416/400	TCCGCTTAGGCCATACTCTGAGCCA	TTGGCTCAGAGTATGGCCTAAGCGG
417/401	TTAAGACATACCGACGCCCTTGCCCT	TAGGCAAGGGCGTCGGTATGTCTTA
418/402	TGTTCCCGACGCCAGTCATTGAGAC	TGTCTCAATGACTGGCGTCGGGAAC
419/403	TTAAAAGTTTCGCGGAGGTCGGGCT	TAGCCCGACCTCCGCGAAACTTTTA
420/404	TCGGTCCAGACGAGCTGAGTTCGGC	TGCCGAACCTCAGCTCGTCTGGACCG
421/405	TCGGCGTAGCGGCTACGGACTTAAA	TTTTAAGTCCGTAGCCGCTACGCCG
422/406	TGCTTGATGCCCATGCGGCAAGGT	TACCTTGCCGCATGGGCATCCAAGC
423/407	TAGCGGGATCCCAGAGTTTCGAAAA	TTTTTCGAAACTCTGGGATCCCGCT
424/408	TGAGCTTGAGAGCGAGGTCATCCTC	TGAGGATGACCTCGCTCTCAAGCTC
425/409	TGCATCGGCCGTTTTGACCATATTC	TGAATATGGTCAAAACGGCCGATGC
426/410	TCATAGCGCTGCACGTTTCGACCGC	TGCGGTGCGAAACGTGCAGCGCTATG
427/411	TACCCGACAACCACCAATTCAAAAA	TTTTTTGAATTGGTGGTTGTCTGGGT
428/412	TGCGAACACTCATAAGAGCGCCCTG	TCAGGGCGCTCTTATGAGTGTTCTG

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4294413	TCCGCCGAGTGTAGAGAGACTCCGA	TTCGGAGTCTCTCTACACTCGGCGG
4304414	TGACATCGGGAGCCGGAACATGAG	TCTCATGTTTCCGGCTCCCGATGTC
4314415	TTCGTGTAGACTCGGCGACAGGCGT	TACGCCTGTGCGCGAGTCTACACGA
4324416	TATGCGCATATACTGACTGCGCAGG	TCCTGCGCAGTCAGTATATGCGCAT
4334417	TACAAGCGAACCCGAGTTTTGATGA	TTCATCAAACTCGGGTTCGCTTGT
4344418	TGCATGAGACTCCGCGAAGACATGT	TACATGTCTTCGCGGAGTCTCATGC
4354419	TTCTACATGTGCGCTCACGATCAC	TGTGATCGTGACGCGACATGTAGGA
4364420	TGACCGATCGCGAAGTCGTACACAT	TATGTGTACGACTTCGCGATCGGTC
4374421	TGTCGCCAGGACTGGGCCGATGTGA	TTACATCGGCCCAGTCCTGGCGAC
4384422	TACCGATAAGACTTGCATCCGAACG	TCGTTCCGGATGCAAGTCTTATCGGT
4394423	TTCCATAACCAGTCCGAAGTGCCGG	TCCGGCACTTCGGACTGGTTATGGA
4404424	TACGCGCCCTGCATCTCGTATTTAA	TTTAAATACGAGATGCAGGGCGCGT
4414425	TAGACCGCATCAATTGGCGCGTACC	TGGTACGCGCCAATTGATGCGGTCT
4424426	TAGAGGCTTGGCAAGTAGGGACCCT	TAGGGTCCCTACTTGCCAAGCCTCT
4434427	TGCAATGGACGCCAGACGATACCGG	TCCGGTATCGTCTGGCGTCCATTGC
4444428	TGCTGGACTIONTAGTCGTGTTCCGGCGG	TCCGCCGAACACGACTAAGTCCAGC
4454429	TAGGCATCGTGCCGGATTGCTCCCT	TAGGGAGCAATCCGGCACGATGCCT
4464430	TTGCGCATGTGACGTTGAACAAAG	TCTTTGTTCAACGTCGACATGCGCA
4474431	TTTCGGGTACATCCGATGCCATAC	TGTATGGCATCGGATGTGACCCGAA
4484432	TACCCATCGCCGGAAGCGATGTTG	TCAACATCGCTTCCGGCGATGGGT
4494433	TAAGCGCTGACTCGGCTAAGAATCA	TTGATTCTTAGCCGAGTCAGCGCTT
4504434	TACTTCCAAGTCCTTGACCGTCCGA	TTCCGACGGTCAAGGACTTGGAAGT
4514435	TTCTCAATATTCCCGTAGTCGCCCA	TTGGGCGACTACGGGAATATTGAGA
4524436	TAACAGTTCCTCTTTTTCTGCGCGC	TGCGCCAGGAAAAAGAGGAACTGTT
4534437	TCGTCTCCATGTTGTCACGAACAG	TCTGTTCTGTGACAACATGGAGGACG
4544438	TTGCGCAGACCTACCTGTCTTTGCT	TAGCAAAGACAGGTAGGTCTGCGCA
4554439	TATGGACGGCTTCGCGAGTCCTCCTT	TAAGGAGGACTGCGAAGCCGTCCAT
4564440	TTGAACGCTTTCTATGGGCCACGTA	TTACGTGGCCCATAGAAAGCGTTCA
4574441	TTGAACCCTGCCGCGAGCGATAACC	TGGTTATCGCTCGCGGCAGGGTTCA
4584442	TGTTCTTGCGCGATGAATCAGGACC	TGGTCCTGATTCATCGCGCAAGAAC
4594443	TAGGGTACGTGTGCGAGCTTCGCGT	TACGCGAAGCTGCGACACGTACCCT
4604444	TACCCTTGCTCCGCCATGTCTCTCA	TTGAGAGACATGGCGGAGCAAGGGT
4614445	TGGGACAAGGATTGAAGCTGGCGTC	TGACGCCAGCTTCAATCCTTGTCCT
4624446	TTGTGCTTGCTCCCGAGTACCATTG	TCAATGGTACTCGGGAGCAACGACA
4634447	TGTTGTCCGAGACGTTTGTGTCAGC	TGCTGACACAAACGTCTCGGACAAC
4644448	TGCTGGTGAACACTCACGAACCGCT	TAGCGGTTCTGTGAGTGTTACCAGC
4654449	TGCAGACAGGGCAAATCGGTGCAAA	TTTTGCACCGATTTGCCCTGTCTGC
4664450	TCCCATCACACGAGTGCGGACTTT	TAAAGTCGCCACTCGTTGTGATGGG

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4674451	TGCTTCTACAGCTGGCGTGCTAGCG	TCGCTAGCACGCCAGCTGTAGAAGC
4684452	TGAATGTGTGCCGACCATTCTAGCC	TGGCTAGAATGGTCGGCACACATTC
4694453	TCCAGCGGAAGTTAGAGCTCTGTGG	TCCACAGAGCTCTAACTTCCGCTGG
4704454	TTTTTTACCGACCACTCCATGTCGG	TCCGACATGGAGTGGTCGGTAAAAA
4714455	TGCGGCTATGTGATGACGGCCTAGC	TGCTAGGCCGTCATCACATAGCCGC
4724456	TAGTACACGGGCGTGTTAGCGCTCC	TGGAGCGCTAACACGCCCGTGTACT
4734457	TTCTGTGTGGTGGCGCACTCCCAC	TGTGGGAGTGCGCCACCACACAGGA
4744458	TCCAATAACCAATCGCGCGGATGA	TTCATCCGCGCGATTGGTTAGTTGG
4754459	TAGTGAGTGACCAAGGCAGGAGCAA	TTTGCTCCTGCCTTGGTCACTCACT
4764460	TCATCTTTCGCGGAGTTTATTGCGG	TCCGCAATAAACTCCGCGAAAGATG
4774461	TCTTCGTCCGGTTAGTGCGACAGCA	TTGCTGTCGCACTAACCGGACGAAG
4784462	TCTCACGAAAACGTGGGCCCCGAAAT	TATTTCTGGGCCACGTTTTCTGTGAG
4794463	TCGCAGCAGCTGAACTCTAGCATTG	TCAATGCTAGAGTTCAGCTGCTGCG
4804464	TAGGAGACATACGCCCAAATGGTGC	TGCACCATTTGGGCGTATGTCTCCT
4814465	TATTGAGAACTCGTGCGGGAGTTTG	TCAAACCTCCGCGACGAGTTCTCAAT
4824466	TCTCTTTGTAGGCCCCAGGAGGAGCA	TTGCTCCTCCTGGGCCTACAAAGAG
4834467	TGCCGCAGGGTCGATAATTGGTCTA	TTAGACCAATTATCGACCCTGCGGC
4844468	TAAACGCCGCCCTGAGACTATTGGG	TCCCAATAGTCTCAGGGCGGCGTTT
4854469	TCTGAGTTGCCTGGAACGTTGGACT	TAGTCCAACGTTCCAGGCAACTCAG
4864470	TCGGATGGGTTGCAGAGTATGGGAT	TATCCCATACTCTGCAACCCATCCG
4874471	TCTGACCTTTGGGGGTTAGTGCGGT	TACCGCACTAACCCCAAAGGTCAG
4884472	TGGAAATGAGAACCTTACCCCAGCG	TCGCTGGGGTAAGGTTCTCATTTCC
4894473	TAACGCATCGTCCGTCAACTCATCA	TTGATGAGTTGACGGACGATGCGTT
4904474	TTGGAGAGAGACTTCGGCCATTGTT	TAACAATGGCCGAAGTCTCTCTCCA
4914475	TTTGCGCTCATTGGATCTTGTCAGG	TCCTGACAAGATCCAATGAGCGCAA
4924476	TAGCGCGTTAAAGCACGGCAACATT	TAATGTTGCCGTGCTTTAACGCGCT
4934477	TAGCCAGTAAACTGTGGGCGGCTGT	TACAGCCGCCACAGTTTACTGGCT
4944478	TCGACTGATGTGCAACCAGCAGCTG	TCAGCTGCTGGTTGCACATCAGTCG
4954479	TGGTTGCTCATACGACGAGCGAGTG	TCACTCGCTCGTCGTATGAGCAACC
4480 40	TGTCCAACGCGCAACTCCGATTCAA	TTTGAATCGGAGTTGCGCGTTGGAC
4481 44	TTTGCCGCACCGTCCGTCATCTCAA	TTTGAGATGACGGACGGTGCGGCAA
4984482	TAGAACCTCCGCGCCTCCGTAGTAG	TCTACTACGGAGGCGCGGAGGTTCT
4994483	TAAAGGAGCTTTCGCCCAACGTACC	TGGTACGTTGGGCGAAAGCTCCTTT
5004484	TAGTGATTGTGCCACTCCACAGCTC	TGAGCTGTGGAGTGGCACAATCACT
5014485	TGCGATCGTCGAGGGTTGAGCTGAA	TTTCAGCTCAACCCTCGACGATCGC
5024486	TGGGAGACAGCCATTATGGTCCTCG	TCGAGGACCATAATGGCTGTCTCCC
5034487	TGAGACGCTGTCACTCCGGCAGAAC	TGTTCTGCCGGAGTGACAGCGTCTC
5044488	TCCACCGGTCGCTTAAGATGCACTT	TAAGTGCATCTTAAGCGACCGGTGG

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505/489	TCGGCATAACGTCCAGTCCTGGGAC	TGTCCCAGGACTGGACGTTATGCCG
506/490	TAAGCGGAACGGGTATACCGAGGT	TACCTCGGTATAACCCGTTCCGCTT
507/491	TTGCACACTAGGTCCGTCGCTTGAT	TATCAAGCGACGGACCTAGTGTGCA
508/492	TAGGGAACCGCGTTCAAACCTCAGTT	TAAGTGAAGTTTGAACGCGGTTCCCT
509/493	TGAATTACAACCACCCGCTCGTGTT	TAACACGAGCGGGTGGTTGTAATTC
510/494	TTTCAGTGCTCACGAAGCATGGATT	TAATCCATGCTTCGTGAGCACTGAA
511/495	TTTAGTTTGGCGTTGGGACTTCACC	TGGTGAAGTCCCAACGCCAAACTAA
512/496	TAATGCGACCTCGACGAGCCTCATA	TTATGAGGCTCGTCGAGGTCGCATT
513/497	TCCGAAACCGTTAACGTGGCGCACA	TTGTGCGCCACGTTAACGGTTTCGG
514/498	TTAAAGTAACAAGGCGACCTCCCGC	TGCGGGAGGTCGCCTTGTTACTTTA
515/499	TTAATGATTTTAGTCGCGGGGTGGG	TCCCACCCCGCGACTAAATCATTAA
516/500	TGGCTACTCTAAGTGCCCGCTCAGG	TCCTGAGCGGGCACTTAGAGTAGCC
517/501	TTGGCGGACGACTCAATATCTCACG	TCGTGAGATATTGAGTCGTCCGCCA
518/502	TGGGCGTTAGGCGTAATAGACCGTC	TGACGGTCTATTACGCCTAACGCCC
519/503	TGCCACCTTTAGACGGCGGCTCTAG	TCTAGAGCCGCGCTCTAAAGGTGGC
520/504	TGAGATGTGTAAACGTGCAGGCACC	TGGTGCCTGCACGTTTACACATCTC
521/505	TTAGCTCGTGGCCCTCCAAGCGTGT	TACACGCTTGAGGGGCCACGAGCTA
522/506	TGTGTCGGCGCTATTTGGCCTTACC	TGGTAAGGCCAAATAGCGCCGACAC
523/507	TCCAGGGAAGCAACTGGTTGCCATT	TAATGGCAACCAGTTGCTTCCCTGG
524/508	TTTCCGAAACTAAGCCAGAACCGCT	TAGCGGTTCTGGCTTAGTTTCGGAA
525/509	TGCAAACCCGGTAACCCGAGAGTTC	TGAACTCTCGGGTTACCGGGTTTGC
526/510	TGCAAATGGCGTCATGCACGAACGT	TACGTTCTGTCATGACGCCATTTGC
527/511	TAGTACTTTTCGCGCCAGTTTAGGG	TCCCTAAACTGGGCGCGAAAGTACT
528/512	TAAGATCTGCGAGGCATCCCGGCTT	TAAGCCGGGATGCCTCGCAGATCTT
529/513	TGCAAGTGTATCGCACAGTGCAGATT	TAATCGCACTGTGCGATACACTTGC
530/514	TCCGACAAGGCCTCAATTCTCTG	TCAGAAATGAATTGAGGCCCTGTGCG
531/515	TGTCTCGTCTCAACTTTAAGGCGCG	TCGCGCCTTAAAGTTGAGACGAGAC
532/516	TATCCAGAGATCCGTTTTGCAGCGT	TACGCTGCAAAACGGATCTCTGGAT
533/517	TGTCACCAGGAGGGAAGTTTCACCC	TGGGTGAAACTTCCCTCCTGGTGAC
534/518	TTTCCGTCAGGCGGATCAACGGAAT	TATTCCGTTGATCCGCCTGACGGAA
535/519	TATGCCGGACACGCATTACACAGGC	TGCCTGTGTAATGCGTGTCCGGCAT
536/520	TTGGGCCGCTTGCGGCTTTCATAGA	TTCTATGAAAGCGCCAAGCGGCCCA
537/521	TCCTAGCGCGAGCTTTACTGACCAG	TCTGGTCAGTAAAGCTCGCGCTAGG
538/522	TTTGGCCAGGAATATGGTCTCGAGA	TTCTCGAGACCATATTCTTGCCCAA
539/523	TGTCTGCGGCCGACTTGCTATGCAT	TATGCATAGCAAGTCGGCCGCAGAC
540/524	TAAGTTGCTCATTCTCAAGCCGACG	TCGTGCGCTTGAGAATGAGCAAGTT
541/525	TACGTGACGCGATTGTGGCGAAATAT	TATATTTGCGCCACAATCGCTGACGT
542/526	TACGGCCTGCGTCAGCACATGCATC	TGATGCATGTGCTGACGCAGGCCGT

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543/527	TATACCTCCGCAGAACCATTCCGTT	TAACGGAATGGTTCTGCGGAGGTAT
544/528	TAGTTCGCGGTCCCACGATTCACTT	TAAGTGAATCGTGGGACCGCGAACT
545/529	TTGCTCAATTTGTGCAGAAAACGCC	TGGCGTTTTCTGCACAAATTGAGCA
546/530	TTTATCGCGAGAGACGACCGTGTCC	TGGACACGGTCGTCTCTCGCGATAA
547/531	TGACGCGACGTGAGTAGTGGAAGCG	TCGCTTCCACTACTCACGTCGCGTC
548/532	TATGGTAGGGGCATTGGGCTTTCCT	TAGGAAAGCCCAATGCCCTACCAT
549/533	TCCAAATATAGCCGCGCGGAGACAT	TATGTCTCCGCGCGGCTATATTTGG
550/534	TGCAAACCCTGATTGAATCGTGCCC	TGGGCACGATTCAATCAGGGTTTGC
551/535	TTAGCGTCTTGCGTGAAACCATGGG	TCCCATGGTTTCACGCAAGACGCTA
552/536	TCCACCCCGACAGCGCTGGACTCTT	TAAGAGTCCAGCGCTGTGCGGGTGG
553/537	TACGAGCACTGAAGGCTGCTTTACG	TCGTAAAGCAGCCTTCAGTGCTCGT
554/538	TCATATCAGCGTCGTCTAGCTCGCG	TCGCGAGCTAGACGACGCTGATATG
555/539	TTGATCCCGGACCGGCTAGACTAAT	TATTAGTCTAGCCGGTCCGGGATCA
556/540	TGGCCCCGACACTACAGGGTAATCA	TTGATTACCCTGTAGTGTGCGGGCC
557/541	TGGCTCCAGGGCGAGATTATGAATG	TCATTATAATCTCGCCCTGGAGCC
558/542	TCAAAATCCGATGGGCGGAAATTA	TTAATTTCCGCCCATCGGATTTTG
559/543	TCACAGGCGCATAGGGAGCAAGCTA	TTAGCTTGCTCCCTATGCGCCTGTG
560/544	TTAGCTATTGCCCCGATGGGCTACT	TAGTAGCCCATCGGGGCAATAGCTA
561/545	TTGGTACGCGGTCCATAGCAAGTCG	TCGACTTGCTATGGACCGCGTACCA
562/546	TGACGCTGTGGCTCGGAACTGTTC	TGAACAGTTTCCGAGCCACAGCGTC
563/547	TCCTGGGTTTCGCCGCGTGGAAGT	TCAGTTACCACGCGGCGAACCAGG
564/548	TTTCCCGCGTAGCCCAACAGCTATA	TTATAGCTGTTGGGCTACGCGGGAA
565/549	TTTCGCGGATTGCTGCCGCATAACA	TTGTTATGCGGCAGCAATCCGCGAA
566/550	TAAAAATGGCACCGAAGTTGAGGCA	TTGCCTCAACTTCGGTGCCATTTTT
567/551	TCATTCCGCGCGAGTTGAAATCCAG	TCTGGATTTCAACTCGCGCGGAATG
568/552	TACGCACGTTTTTTGGCACGGTTAA	TTTAACCGTGCCAAAAAACGTGCGT
569/553	TTGTCCATGACGTCGTTTCTCTGGT	TACCAGAGAAACGACGTCATGGACA
570/554	TTCTCAGTCGGACTCGTATGCCAGA	TTCTGGCATAAGAGTCCGACTGAGA
571/555	TCTCCAAACGCACACATCAAGCATC	TGATGCTTGATGTGTGCGTTTGGAG
572/556	TTTCAACCAAGCGGGGTGTTCTGTA	TTACGAACACCCCGCTTGTTGAA
573/557	TGGTGTGCGGAGGGTGGTGACCTCGA	TTGAGGTCACCACCCTCCGACACC
574/558	TAGCGCTTTTGGTCATGATTTGCAA	TTTGCAAATCATGACCAAAGCGCT
575/559	TCCGAGGACTTACGTCTGCCAGGA	TTCTGGGCAGACGTAAGTCTCGG
576/560	TGCCCAATCCAGTTCTTATGCGCCC	TGGGCGCATAAGAACTGGATTGGGC
577/561	TCGGGTAAACCCACGCAAGTTATGA	TTCATAACTTGCGTGGGTAAACCCG
578/562	TTGATTAGCGCTCAATACACGCGTG	TCACGCGTGATTGAGCGCTAATCA
579/563	TAAGGGCAGACCTTTGGTTCGACTG	TCAGTCGAACCAAAGGTCTGCCCTT
580/564	TGCGCCACAAGATTCACATGTCATT	TAATGACATGTGAATCTTGTGGCGC

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581/565	TGCCATGTTCAAGGGCCTTTCTGAAG	TCTTCGAAAGGCCCTTGAACATGGC
582/566	TCGCGGTGTTTTGTCTAGGTGCCGG	TCCGGCACCTAGACAAAACACCGCG
583/567	TCAACATTGTGGTGGCACTCCATCC	TGGATGGAGTGCCACCACAATGTTG
584/568	TCGATACGCGCCGGTTTTGTTAAATC	TGATTTAACAAACCGGCGCGTATCG
585/569	TGGCTATAAACGTGCGGACTGCTCC	TGGAGCAGTCCGCACGTTTATAGCC
586/570	TTGGGTAAATCACTATTGCGCGGTT	TAACCGCGCAATAGTGATTTACCCA
587/571	TGTCTTCATCGGCCCGCGCAAGCTA	TTAGCTTGCGCGGGCCGATGAAGAC
588/572	TGCGACACACCCTGTACTCTGATGC	TGCATCAGAGTACAGGGTGTGTGCG
589/573	TGTAGCAGGGTCCGCAAGACCAAGC	TGCTTGGTCTTGCGGACCTGCTAC
590/574	TTCGCCAACGCAGGGTAACTGCCAT	TATGGCAGTTACCCTGCGTTGGCGA
591/575	TACTCCGAAGCTTCGAGCGGCACGA	TTCTGTCCGCTCGAAGCTTCGGAGT
4576 42	TCATCGTCCCTTTTCGATGGGATCAA	TTTGATCCCATCGAAAGGGACGATG
4577 43	TGCACGGGAGCTGACGACGTGTCAA	TTTGACACGTCGTCAGCTCCCGTGC
594/578	TATCATCCACGGCAGAGTGAAGAG	TCTCTTCACTCTGCCGTGGGATGAT
595/579	TCGCTGGACTGGCCTATCCGAGTCG	TCGACTCGGATAGGCCAGTCCAGCG
596/580	TCGGTCTCAGCAACACTGTGCGAAA	TTTTGCGACAGTGTTGCTGAGACCG
597/581	TCGAACGTTCTCCGATGTAATGGCC	TGGCCATTACATCGGAGAACGTTCC
598/582	TATACCGTGCGACAAGCCCCTCTGA	TTCAGAGGGGCTTGTCGCACGGTAT
599/583	TAGCTCATTCCCGAGACGGAACACC	TGGTGTTCCGTCTCGGGAATGAGCT
600/584	TTTTCATGCGGCCGTTGCAAATCAT	TATGATTTGCAACGGCCGCATGAAA
601/585	TACTCGAACGGACGTTCAATTCCCA	TTGGGAATTGAACGTCCGTTTCGAGT
602/586	TCTGCATGGTGTGGGTGAGACTCCC	TGGGAGTCTCACCACACCATGCAG
603/587	TCCGCGAGTGTGGATGGCGTGTTGA	TTCAACACGCCATCCCACTCGCGG
604/588	TAATGTGTGCGTCCTAAGCCGGGTG	TCACCCGGCTTAGGACCGACACATT
605/589	TTAAGACGAGCCTGCACAGCTTGCG	TCGCAAGCTGTGCAGGCTCGTCTTA
606/590	TGGCGTGGGAGGATAAGACGATGTC	TGACATCGTCTTATCCTCCCACGCC
607/591	TTGCTCCATGTTAGGAACGCACCAC	TGTGGTGCGTTCCTAACATGGAGCA
608/592	TCGGTGTTGGTTCGACTGACGACTG	TCAGTCGTCAGTCCGACCAACACCG
609/593	TCCGCGCGTATCTATCAGATCTGGG	TCCCAGATCTGATAGATACGCGCGG
610/594	TAAAGCATGCTCCACCTGGAGCGAG	TCTCGCTCCAGGTGGAGCATGCTTT
611/595	TACTTGATCGCTGGGTAGATCCGG	TCCGGATCTACCCAGCGATGCAAGT
612/596	TTGCTTACGCAGTGGATTGGTCAGA	TTCTGACCAATCCACTGCGTAAGCA
613/597	TATGCAGATGAACAAATCGCCGAAT	TATTCGGCGATTTGTTTCATCTGCAT
614/598	TGCAATTCTGGGCCATGTATTCGTC	TGACGAATACATGGCCCAGAATTGC
615/599	TAGGGTTCCTTACGCGTCGACATGG	TCCATGTGACGCGTAAGGAACCCT
616/600	TGTGGAGCTAATCGCGAGCCTCAGA	TTCTGAGGCTCGCGATTAGCTCCAC
617/601	TTCTGATGCTCACCAGCAATGATCC	TGGATCATTGCCGGTGAGACTACGA
618/602	TTTATAGCAGTGCGCCAATGCTTCG	TCGAAGCATTGGCGCACTGCTATAA

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619/1003	TCGAACAGTGCTGTCCGTCGCTCAA	TTTGAGCGACGGACAGCACTGTTCCG
620/1004	TTCCGCGTGGACTGTTAGACGCTAT	TATAGCGTCTAACAGTCCACGCGGA
624/1005	TCATTAGCCCGCTGTCCGGTAACTGT	TACAGTTACCGACAGCGGGCTAATG
622/1006	TGGAAAGAACTCAGACGCGCAATG	TCATTGCGCGTCTGAGTTTCTTTCC
623/1007	TCGACTCGCTGGACAGGAGAATCGT	TACGATTCTCCTGTCCAGCGAGTCG
624/1008	TCATGATCCTCTGTTTCACCCGCGG	TCCGCGGGTGAAACAGAGGATCATG
625/1009	TGGCGTAGCGCTCTAAAAGCTTCGG	TCCGAAGCTTTTAGAGCGCTACGCC
626/1010	TAGTGATGCCATCAGGCCCGTATAC	TGTATACGGGCTGATGGCATCACT
627/1011	TTATGGAAAGGGCAACAGCGCTATC	TGATAGCGCTGTTGCCCTTTCCATA
628/1012	TCTGTGGTTGATGGAGGATCCACAC	TGTGTGGATCCTCCATCAACCACAG
629/1013	TACTCGCTGGAATTTGCGCTGACAC	TGTGTCAGCGCAAATTCAGCGAGT
630/1014	TCAGGCCCGAACCACGCGGTTACAG	TCTGTAACCGCGTGTTTCGGGCCTG
634/1015	TGGCGCAATGGGCGCATAAATACTA	TTAGTATTTATGCGCCCATTCGCC
632/1016	TGGTCAATTCGCGCTACATGCCCTA	TTAGGGCATGTAGCGCGAATTGACC
633/1017	TGATGGTGGACTGGAGCCCTTCGCG	TGCGGAAGGGCTCCAGTCCACCATC
634/1018	TCCGCGCATAGCGCAATAGGGGAGA	TTCTCCCCTATTGCGCTATGCGCGG
635/1019	TTCTTCTGGCTGTCCGGCACCCGAA	TTTCGGGTGCCGGACAGCCAGAAGA
636/1020	TGCGTTTCGCAATTCACGGGCCCTTA	TTAAGGGCCCGTGAATTGCGAACGC
637/1021	TTCGTTTTCGGCCTTGAGAGTATCG	TCGATACTCTCCAAGGCCGAAACGA
638/1022	TAGGTGCAAGTGCAAGGCGAGAGGC	TGCCTCTCGCCTTGCACTTGACCT
639/1023	TCGCCAGTTTCGATGGCTGACGTTT	TAAACGTCAGCCATCGAAACTGGCG
640/1024	TGCTTTACCGCCGATCCAGATATC	TGATATCTGGGATCGGCGGTAAAGC
641/1025	TGTGCTTGACGAAGAGGCGAAATGT	TACATTTTCGCCTCTTCGTCAAGCAC
642/1026	TCAGTCCGTGCGCTTCATGTCCTCA	TTGAGGACATGAAGCGCACGGACTG
643/1027	TTACGCGTAAGAGCCTACCCTCGCG	TCGCGAGGGTAGGCTCTTACGCGTA
644/1028	TGGCGAGTCTTGTGGGGACATGTGT	TACACATGTCCCACAAGACTCGCC
645/1029	TCCAAAGCGAAGCGAGCGTGTCTAT	TATAGACACGCTCGCTTCGCTTTGG
646/1030	TGCCGTAGGTTGCTCTTCACCGAAC	TGTTCCGGTGAAGAGCAACCTACGGC
647/1031	TAAATCCGCGATGTGCCGTGAGGCT	TAGCCTCACGGCACATCGCGGATTT
648/1032	TGGCTTCGCACCCGTACCAATTTAG	TCTAAATTGGTACGGGTGCGAAGCC
649/1033	TTGTAGAGTCCCACGTAGCCGGCAT	TATGCCGGCTACGTGGGACTCTACA
650/1034	TCACTAGTCTGGGGCAAGGTGCATT	TAATGCACCTTGCCCCAGACTAGTG
651/1035	TTGTACTCGGCAGGCGCAATAGATT	TAATCTATTGCGCCTGCCGAGTACA
652/1036	TAACGGGTATCGGAAGCGTAAAAGC	TGCTTTTACGCTTCCGATACCCGTT
653/1037	TCGGAAGTCCCGTTTGCAAGTTGAG	TCTCAACTTGCAAACGGGCAGTCCG
654/1038	TATCGTTCAGCACTGGAGCCCGTAA	TTTACGGGCTCCAGTGCTGAACGAT
655/1039	TATGCATCGAACTAGTCGTGACGGC	TGCCGTCACGACTAGTTCGATGCAT
656/1040	TTTCCAGGCATTAAGGAGAGGGAGC	TGCTCCCTCTCCTTAATGCCTGGAA

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657/1641	TGTGCGACATCTACTCCACGATCCC	TGGGATCGTGGAGTAGATGTCGCAC
658/1642	TCTCATCGTCCTAACACGAGAGCCC	TGGGCTCTCGTGTTAGGACGATGAG
659/1643	TAATGGCACTTCGGCGGTGATGCAA	TTTGCATCACCGCCGAAGTGCCATT
660/1644	TCCGTGGGAGGGAATCCAACCGAGG	TCCTCGGTTGGATTCCCTCCCACGG
661/1645	TAAATTCTCGTTGGTGACGGCTCAT	TATGAGCCGTCACCAACGAGAATTT
662/1646	TTTGCTCTTATCCTTGTCTGGGCG	TCGCCCAGGACAAGGATAAGAGCAA
663/1647	TTTAAGGATCAGGCGGAGCTTGACG	TCTGCAAGCTCCGCCTGATCCTTAA
664/1648	TCGCGACTAAGGTGCTGCAACTCGA	TTGAGTTGCAGCACCTTAGTCGCG
665/1649	TGCTCGATTTACGGCCCGTTGTTC	TGAACAACGGGGCCGTGAAATCGAGC
666/1650	TAGCAGAGTGCGTTGCAGAGGCTAA	TTTAGCCTCTGCAACGCACTCTGCT
667/1651	TTGGAGGTGAGGACGACGTGCACTA	TTAGTGCACGTCGTCTCACCTCCA
668/1652	TAACCGTTTAGGGTACATTCGCGGT	TACCGCGAATGTACCCTAAACGGTT
669/1653	TTATGATCGCTCGGCTCACAGTTTG	TCAAAGTGTGAGCCGAGCGATCATA
670/1654	TGACTTTTTGCGGAAACGTCATGGT	TACCATGACGTTTCCGCAAAAAGTC
671/1655	TTGTCGGTTATTCCACCTGCAAGGA	TTCTTGCAGGTGGAATAACCGACA
672/1656	TCTATGGTTTGAAGTGCAGCGTCGA	TTGACGCGCGCAGTGCAAACCATAG
673/1657	TAGCAGGGAAATTCAATCGTTCGCA	TTGCGAACGATTGAATTTCCCTGCT
674/1658	TCCTAACCGAGCGCTTAGCATTTC	TGGAAATGCTAAGCGCTCGGTTAGG
675/1659	TCCCGACCCTAACTCGCATTGAATA	TTATTCAATGCGAGTTAGGGTCGGG
676/1660	TTTGCTTAATGGTGACGCCACGGAT	TATCCGTGGCGTCACCATTAAGCAA
677/1661	TGATGCTCGCCGTGTTTAGTTCACG	TCGTGAACTAAACACGGCGAGCATC
678/1662	TTGCGATGACGAGTTTCCATGACGG	TCCGTGATGGAAGTCTGTCATCCGA
679/1663	TATGCGGTCTACTTTCTCGATCGGG	TCCCGATCGAGAAAGTAGACCGCAT
680/1664	TTTGCGAGGCTAAGCACACGGTAAA	TTTTACCGTGTGCTTAGCCTCGCAA
681/1665	TAACCTAATTACCGCCTCTGGCGCC	TGGCGCCAGAGGCGGTAATTAAGTT
682/1666	TGTGACCGCGAACTTGTTCCGACAG	TCTGTGCGAACAAGTTCGCGGTCAC
683/1667	TTGCGGATTACCGATTGCTCTTAA	TTTAAGAGCGAATCGGTAATCCGCA
684/1668	TTGATAGGGGGCCACGTTGATCAGA	TTCTGATCAACGTGGCCCCCTATCA
685/1669	TTGCTCCGTAGCGATTGATCGTAG	TCTACGATGAATCGCTACGGAGCGA
686/1670	TTGTCAGCTGGTAGCCTCCGTTTGA	TTCAAACGGAGGCTACCAGCTGACA
687/1671	TAGCGTCGCATGACGCTTACGGCAC	TGTGCCGTAAGCGTCATGCGACGCT
4672 44	TAGACGCACCGCAACAGGCTGTCAA	TTTGACAGCCTGTTGCGGTGCGTCT
4673 45	TCGTGTAGGGGTCCCGTGCTGTCAA	TTTGACAGCACGGGACCCCTACACG
690/1674	TGTCGATTCTGCACTGGCTTCGCC	TGGCGAAGCCAGTGCAGAATGCGAC
691/1675	TTGATTAGGTGCGGTCCCGTAGTCC	TGGACTACGGGACCGCACCTAATCA
692/1676	TAAGGGACCTTGGGTGACGGCGAGA	TTCTCGCCGTACCCAAGGTCCCTT
693/1677	TTCAAATGGCCACCGCGTGTCATTC	TGAATGACACGCGGTGGCCATTTGA
694/1678	TCTCCGACGACCAATAAATAGCCGC	TGCGGCTATTTATTGGTCGTGCGAG

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695/1679	TGGCTATTCCCGTAGAGAGCGTCCA	TTGGACGCTCTCTACGGGAATAGCC
696/1680	TTGGATAACCTCTCGGTCCATCCAC	TGTGGATGGACCGAGAGGTTATCCA
697/1681	TGACCGCTGTACGGGAGTGTGCCTT	TAAGGCACACTCCCGTACAGCGGTC
698/1682	TGCCACAGAGTTTTAGCAGGGACCC	TGGGTCCCTGCTAAAACTCTGTGGC
699/1683	TCCCACGCTTTCCGACCACTGACCT	TAGGTCAGTGGTCGGAAAGCGTGGG
700/1684	TCATTGACACAATGCGGGGACTGAT	TATCAGTCCCCGCATTGTGTCAATG
701/1685	TAGCCACTCGACAGGGTTCCAAAGC	TGCTTTGGAACCTGTGAGTGGCT
702/1686	TCAGGATGAGCAAAGCGACTCTCCA	TTGGAGAGTCGCTTTGCTCATCCTG
703/1687	TCAAGGTATGGTCTGGGGCCTAAGC	TGCTTAGGCCCCAGACCATACCTTG
704/1688	TGGTGTTCCGGCCTAAACTCTTTCGG	TCCGAAAGAGTTTAGGCCGAACACC
705/1689	TTTTAGTCGGACCCTGTGGCAATTC	TGAATTGCCACAGGGTCCGACTAAA
706/1690	TCACACGTTTCCGACCAGCCTGAAC	TGTTCAGGCTGGTCGGAAACGTGTG
707/1691	TCTGGACGAACTGGCTTCCTCGTAC	TGTACGAGGAAGCCAGTTCGTCCAG
708/1692	TTTCACAATCCGCCGAAAACCTGACC	TGGTCAGTTTTCGGCCGATTGTGAA
709/1693	TAACAGGATATCCGCGATCACGACA	TTGTCGTGATCGCGGATATCCTGTT
710/1694	TTACGTCGGATCCATTGCGCCGAGT	TACTCGGCGCAATGGATCCGACGTA
711/1695	TCATGGATCTCTCGGTTTGATCGCC	TGGCGATCAAACCGAGAGATCCATG
712/1696	TAGCCAGGCGCGTATATACGCTCGG	TCCGAGCGTATATACGCGCCTGGCT
713/1697	TATTTGGCACGTGTCGTGCCATGTT	TAACATGGCACGACACGTGCCAAAT
714/1698	TCCGCGTTGCACCACTTTGAGGTGC	TGCACCTCAAAGTGGTGCAACGCGG
715/1699	TTTGGACGTGACAAGCATGGCGCTC	TGAGCGCCATGCTTGTACGTCCAA
716/	TCTGAATCGCGCAAGTAAATGGGGG	TCCCCCATTTACTTGCGCGATTACG
717/701	TGATAAGGTCCACCAGATTGCGCGC	TGCGCGCAATCTGGTGGACCTTATC
718/702	TCTAACAATTGCCAACCGGGACGGC	TGCCGTCCCGGTTGGCAATTGTTAG
719/703	TGGTAACCTGGGTGCTTGCAGGTTA	TTAACCTGCAAGCACCCAGGTTACC
720/704	TATCGGAGCCACCACTTCGCATTGGG	TCCAATGCGAATGGTGGCTCCGAT
721/705	TGTGAACCTGGCTTGCCCCAGGATTA	TTAATCCTGGGGCAAGCCAGTTCAC
722/706	TAGGCGATAGCATGGTCCCATATGA	TTCATATGGGACCATGCTATCGCCT
723/707	TAACGGTATCGTGGCTAATGCACGA	TTCTGTGCATTAGCCACGATACCGTT
724/708	TAGTAGTGGTCCTCCAGATCGGCAA	TTTGCCGATCTGGAGGACCACTACT
725/709	TCCGTTGAATTGGACGGGAGGTTAG	TCTAACCTCCCGTCCAATTCAACGG
726/710	TGCATAAGTGCGGCATCGCGAAGGG	TCCCTTCGCGATGCCGCACTTATGC
727/711	TCGACAAGATGCAGCTGCTACATGC	TGCATGTAGCAGCTGCATCTTGTCG
728/712	TTCGCAGTGATTCCCGACCGATAAG	TCTTATCGGTGCGGAATCACTGCGA
729/713	TCAAGGCGAGTCCACTCGAGGGGAC	TGTCCCCTCGAGTGGACTCGCCTTG
730/714	TGCAACTTGACGGCATAAGTGGCC	TGGCCAATTATGCCGTGCAAGTTGC
731/715	TTCCGAGCTTGACGTTGCGGACGTC	TGACGTGCGGAACGTCAAGCTCGGA
732/716	TAGCGCTGGGCTGTGCTGCCATCTC	TGAGATGGCAGCACAGCCCAGCGCT

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733 ⁴ /717	TTTCATGTCGCTGAGTAACCCTCGC	TGCGAGGGTTACTCAGCGACATGAA
734 ⁴ /718	TCGAACCGCTAATGCCATTGTCAG	TCTGACAATGGGCATTAGCGGTTCCG
735 ⁴ /719	TCACGGAAGGTGGGACAAATCGCCG	TCGGCGATTTGTCCCACCTTCCGTG
736 ⁴ /720	TCACAGATGGAGACAAACGCGCCTT	TAAGGCGCGTTTGTCTCCATCTGTG
737 ⁴ /721	TTTTTCGCAACTCGCTCCATAACCC	TGGGTTATGGAGCGAGTTGCGAAAA
738 ⁴ /722	TACGTTACGTTTCCGGCGCCTCTAA	TTTAGAGGCGCCGGAAACGTAACGT
739 ⁴ /723	TTATCGGATTGCGTGGGTTTCAATC	TGATTGAAACCCACGCAATCCGATA
740 ⁴ /724	TCTTCCACAATTGTCTGCGACGCAC	TGTGCGTCGCAGACAATTGTGGAAG
741 ⁴ /725	TTGCACAAAGGTATGGCTGTCCGGC	TGCCGGACAGCCATACCTTTGTGCA
742 ⁴ /726	TTCCGATGCCAGTCCCATCTTAAGA	TTCTTAAGATGGGACTGGCATCGGA
743 ⁴ /727	TCTGAAACCGTGCGAATCGAGGTGA	TTACCTCGATTTCGCACGGTTTCAG
744 ⁴ /728	TCGGTGTTCCGCGTGTGCAAAAAAT	TATTTTTTCGACACGCGGAACACCG
745 ⁴ /729	TTCTAGCAGGCCTTTTGAATCGCCA	TTGGCGATTCAAAGGCCTGCTAGA
746 ⁴ /730	TGAGTCACCTCTGAGACGGACGCCA	TTGGCGTCCGTCTCAGAGGTGACTC
747 ⁴ /731	TTCTTCTGTCATCCTGCAGCAGCAT	TATGCTGCTGCAGGATGACAGAAGA
748 ⁴ /732	TGCGGATGAAACCTGAAAGGGGCCT	TAGGCCCTTTCAGGTTTCATCCGC
749 ⁴ /733	TGGGGCCCCAACTGGTATCAAGCC	TGGCTTGATACCAGTTTGGGGCCCC
750 ⁴ /734	TGCATTGGCTTCGATTCTCCTACA	TTGTAGGAGAATCCGAAGCCAATGC
751 ⁴ /735	TAGGCGGCCCAACTGTGAGGTCTTG	TCAAGACCTCACAGTTGGGCCGCTT
752 ⁴ /736	TACACCATGTGCTCCGCGCTGCAGT	TACTGCAGCGCGGAGCACATGGTGT
753 ⁴ /737	TACGATGAACATGAATCGGGAGTCG	TCGACTCCCGATTTCATGTTTCATCGT
754 ⁴ /738	TCTGCATCCCTGTAGCAGCGCTCCG	TCGGAGCGCTGCTACAGGGATGCAG
755 ⁴ /739	TGTGCCGTATTTGACCTGTGCGTT	TAACGCACAGGTCGAAATACGGCAC
756 ⁴ /740	TGCAGTGCGCACTTCAGTTCAAAG	TCTTTTGAAGTGAAGTGCGCACTGC
757 ⁴ /741	TGCGATTTTAAGCGATGCCTTGACG	TCGTCAAGGCATCGCTTAAATCGC
758 ⁴ /742	TTAGGTGACCTAGGCTTGCTTGCGG	TCCGCAAGCAAGCCTAGGTCACCTA
759 ⁴ /743	TCTGGATACCTTGCTGTGCGGCGC	TGCGCCGCACAGGCAAGGTATCCAG
760 ⁴ /744	TCCCCTTACGGCTCGTCGTCTATGC	TGCATAGACGACGAGCCGTAAGGGG
761 ⁴ /745	TGCGCTTGCCCGATGCGATGCATTA	TTAATGCATCGCATCGGGCAAGCGC
762 ⁴ /746	TTTTCTGTAAGCGGCCTGGGGTTCA	TTGAACCCAGGCCGCTTACAGAAA
763 ⁴ /747	TGGCTGAGGTGAGCGGTAAGGATGA	TTCATCCTTACCGCTCACCTCAGCC
764 ⁴ /748	TTCTTGCCCTCCCCGATCTAATTTG	TCAAATTAGATCGGGGAGGCCAAGA
765 ⁴ /749	TGGAGGTAACGCCGTGTACGTAGGA	TTCTACGTACACGGCGTTACCTCC
766 ⁴ /750	TGTAATCCATTTGTGGCTGCGTCAA	TTTGACGCAGCCACAAATGGATTAC
767 ⁴ /751	TCAAACCCATTCCAGCAGACGCCTG	TCAGGCGTCTGCTGGAATGGGTTTG
768 ⁴ /752	TTAGGAGGAATTTGGCATGCGGGCG	TCGCCCCGATGCCAAATTCCTCCTA
769 ⁴ /753	TATAGGTAGGATGTGCCCGGCGTTG	TCAACGCCGGGCACATCCTACCTAT
770 ⁴ /754	TGCAAGTGCTTAGCTCGTCAGCCTC	TGAGGCTGACGAGCTAAGCACTTGC

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7744755	TCTGGCTGTGTCGCATCTCGTTAAC	TGTTAACGAGATGCGACACAGCCAG
7724756	TCTAACGTCGTCTCGCGCAATCACT	TAGTGATTGCGCGAGACGACGTTAG
7734757	TTTTTCATAAACGTTGTCCCCGAGC	TGCTCGGGGACAACGTTTATGAAAA
7744758	TAGCAGGAGGACGAACCTCCGCTCC	TGGAGCGGAGGTTTCGTCCTCCTGCT
7754759	TTTCAAGCACCATCGTGCAATCCAA	TTTGGATTGCACGATGGTGCTTGAA
7764760	TAGCGTCGCCAGTGATCGCTAGTGG	TCCACTAGCGATCACTGGCGACGCT
7774761	TTACATTCCCTGCCTCCGTGGGCTT	TAAGCCCACGGAGGCAGGGAATGTA
7784762	TCGCTTCGCGTATTCAGTAGCGGTT	TAACCGCTACTGAATACGCGAAGCG
7794763	TTCGGACGCGTCGACACTCATTATA	TTATAATGAGTGTCGACGCGTCCGA
7804764	TTCTGAGCAGGCCAGCGCTCCAGCT	TAGCTGGAGCGCTGGCCTGCTCAGA
7814765	TTTGAATTGCCAAGCCCTGAAAGCC	TGGCTTTCAGGGCTTGGCAATTCAA
7824766	TAGTTTTCGCCTTGATGCGTCGGTG	TCACCGACGCATCAAGGCGAAAACT
7834767	TGTTTCATAGGCCACGCGTGCTAAA	TTTTAGCACGCGTGGCCTATGAAAC
4768 46	TCATCGCTGCAAGTACCGCACTCAA	TTTGAGTGCGGTACTTGCAGCGATG

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IN THE CLAIMS:

The section entitled "CLAIMS", starting on page 255, line 1, has been amended as follows:

CLAIMS

We claim:

1. An oligonucleotide array comprising an array of at least 25 different addresses, each address comprising a different capture probe selected from the group consisting of the sequences set forth in Table 1, Table 2, Table 3 and Table 4.
2. An array according to claim 1, wherein said capture probes are microspheres.
3. An array according to claim 1 or 2 wherein said array is a liquid array.
4. An array according to claim 1 or 2, wherein said array further comprises a solid support.
5. An array according to claim 1, wherein said addresses are microspheres and wherein said solid support comprises wells into which said microspheres are individually distributed.
6. An array according to claim 1, wherein each address is a different known location, and said wherein each capture probe is attached to one of said known locations.
7. An array according to claim 1, wherein said array comprises at least 50 different addresses, each address comprising a different capture probe selected from the group consisting of the sequences set forth in Table 1, Table 2, Table 3 and Table 4.

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8. An array according to claim 1 wherein said array comprises at least 100 different addresses, each address comprising a different capture probe selected from the group consisting of the sequences set forth in Table 1, Table 2, Table 3 and Table 4.
9. A kit comprising at least twenty-five nucleic acids selected from the group consisting of sequences substantially complementary to the sequences set forth in ~~Table I, Table II, Table III or Table IV~~ Table 1, Table 2, Table 3 and Table 4 or their complement. (amended)
10. A kit according to claim 9, wherein said kit comprises at least 50 nucleic acids selected from the group consisting of the sequences substantially complementary to the sequences set forth in ~~Table I, Table II, Table III or Table IV~~ Table I, Table 1, Table 2, Table 3 and Table 4 or their complement.
(amended)
11. A kit according to claim 9, wherein said kit comprises at least 100 nucleic acids selected from the group consisting of the sequences substantially complementary to the sequences set forth in ~~Table I, Table II, Table III or Table IV~~ Table 1, Table 2, Table 3 and Table 4 or their complement.
(amended)
12. A kit according to claim 9, wherein said nucleic acids further comprise at least a first universal priming sequence.
13. A kit according to claim 9, wherein said nucleic acid sequence further comprises a sequence substantially complementary to a target domain.
14. A method of immobilizing a target nucleic acid sequence, said method comprising:
- a) attaching a first adapter nucleic acid to a first target nucleic acid sequence to form a modified first target nucleic acid sequence, wherein said first adapter nucleic acid comprises a sequence

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substantially complementary to a sequence selected from the sequences set forth in ~~Table I, Table II, Table III or Table IV~~ Table 1, Table 2, Table 3 and Table 4;

b) contacting said modified first target nucleic acid sequence with an array comprising an array of at least 25 different addresses, each address comprising a different capture probe selected from the group consisting of the sequences set forth in Table 1, Table 2, Table 3 and Table 4, whereby said target nucleic acid sequence is immobilized. (amended)

15. A method of detecting a target nucleic acid sequence, said method comprising:

a) attaching a first adapter nucleic acid to a first target nucleic acid sequence to form a modified first target nucleic acid sequence, wherein said first adapter nucleic acid comprises a sequence substantially complementary to a sequence selected from the sequences set forth in ~~Table I, Table II, Table III or Table IV~~ Table 1, Table 2, Table 3 and Table 4;

b) contacting said modified first target nucleic acid sequence with an array comprising:

an array of at least 25 different addresses, each address comprising a different capture probe selected from the group consisting of the sequences set forth in Table 1, Table 2, Table 3 and Table 4; and

c) detecting the presence of said modified first target nucleic acid sequence. (amended)

16. A method of detecting a target nucleic acid, said method comprising:

a) hybridizing a first adapter probe with a first target nucleic acid, said first adapter probe comprising a first domain that is complementary to said first target nucleic acid and a second domain, said second domain comprising a first sequence substantially complementary to a selected from the group consisting of the sequences set forth in ~~Table I, Table II, Table III or Table IV~~ Table 1, Table 2, Table 3 and Table 4 to form a first hybridization complex;

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- b) contacting said first hybridization complex with an enzyme such that when said first domain of said adapter probe is perfectly complementary with said first target nucleic acid, said first adapter probe is altered resulting in a modified first adapter probe;
- c) contacting said modified first adapter probe with a population of microspheres comprising at least a first subpopulation comprising a first capture probe, such that said first capture probe and said modified first adapter probe form a second hybridization complex; and
- d) detecting the presence of said modified first adapter probe as an indication of the presence of said target nucleic acid. (amended)